

U.S. ARMS CONTROL AND DISARMAMENT AGENCY



World Military Expenditures and Arms Transfers 1991-1992

Foreword, Highlights, Charts, Statistical Notes

Essay:
The Competitive Arms Export Market
of the 1990s

Country Rankings by Variable

Tables of Military and Economic Variables
for 144 Countries, 1981-1991

World Military Expenditures and Arms Transfers 1991-1992

U.S. Arms Control and Disarmament Agency

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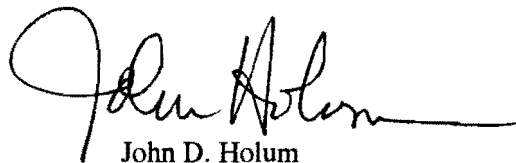
Foreword

This 22nd edition of our report, *World Military Expenditures and Arms Transfers (WMEAT)*, updates the statistics with the addition of data for 1990 and 1991. This report therefore begins to reflect the history-making events of those years: the democratic transformation of countries in Eastern Europe and elsewhere, the Iraqi invasion of Kuwait and the strong allied rebuff, Warsaw Pact disappearance, the final years of the Soviet Union, the significant START and CFE arms control treaties, and the Middle East peace process.

The data also suggest some hopeful new trends: for example, the promising downturn of aggregate military spending in both developed and developing countries—until the Gulf War brought a sharp reversal in the Middle East—and the sharp drop in the world's arms trade to the lowest level since 1971.

However, the data also reflect some basic continuities. With armed conflicts occurring or remaining a threat to occur around the world, existing or potential conventional military establishments will continue to be the main means for countries to achieve national security. Furthermore, the threat of the proliferation of weapons of mass destruction, though not addressed in this report, continues to trouble the world's security picture and to interact with perceived needs for conventional forces. It has become abundantly clear that the events of the early 1990s will not lead in the near term to a disappearance of military force in the international arena.

Consequently, the need for arms control remains as strong as ever, if not stronger. Success in the past does not mean success in the future. Much innovative, persistent, and dedicated effort will be needed to bring to reality and prolong the positive trends suggested in this report.



John D. Holum
Director

Preface

This edition of *WMEAT* (pronounced "we-meet"), the twenty-second in the series issued by the Arms Control and Disarmament Agency, is intended to serve as a convenient reference on military expenditures, arms transfers, armed forces, and related economic data for 144 countries over the 1981-1991 decade. We have continued our efforts to provide comprehensive, up-to-date, and accurate data, accompanied by pertinent analyses and highlights.

Features in this edition include a set of tables ranking the countries of the world by each variable in 1991 and a brief on the competitive arms export market of the 1990s.

Future editions of this report are now available through the Standing Order Service of the Superintendent of Documents (see last page).

Comments and questions regarding this publication are welcome. They may be directed to:

U.S. Arms Control and Disarmament Agency
Washington, DC 20451

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Highlights

Military Expenditures

Total world military spending dropped by 8% in 1991, continuing the decline which began modestly in 1988. The world spending level returned to just over one trillion dollars (\$1,038 billion), below what it had been a decade ago in 1981 (\$1,053 billion in constant 1991 dollars). Spending in current dollars also declined for the first time in 1991, as the real reduction rate exceeded that of dollar inflation (Main Table I).

The cumulative "savings" in reduced military expenditures since 1987 total \$330 billion 1991 dollars. The drop from the peak level of \$1,215 billion reached in

1987 to the latest level in 1991 amounts to 14.5%. The average annual rate of decline in world military spending since the 1987 peak has been 3.7%. Over the last decade, the trend has been virtually flat (Table 1).

Military spending in the 28 developed countries, which also peaked in 1987, declined by an overall 19.8% to 1991, and by 11% in that year alone. These countries were responsible for most of the downturn in world military spending and their share of the world dropped from 80% in 1981 to 77% in 1991 (Table 1).

Military spending in the developing countries, (the rest of the world), jumped by 12% in 1990 and rose by another 3% in 1991 to a new high of \$242 billion. This rise reversed a mild but steady downward trend since the previous peak in 1983. As a result, the developing country share of world military spending grew to 23%, up from 18% in 1989. Over the decade, the spending trend was nearly flat, as with developed countries and the world as a whole (Table 1 and Main Table I).

Figure 1. World Military Expenditures, 1981-1991

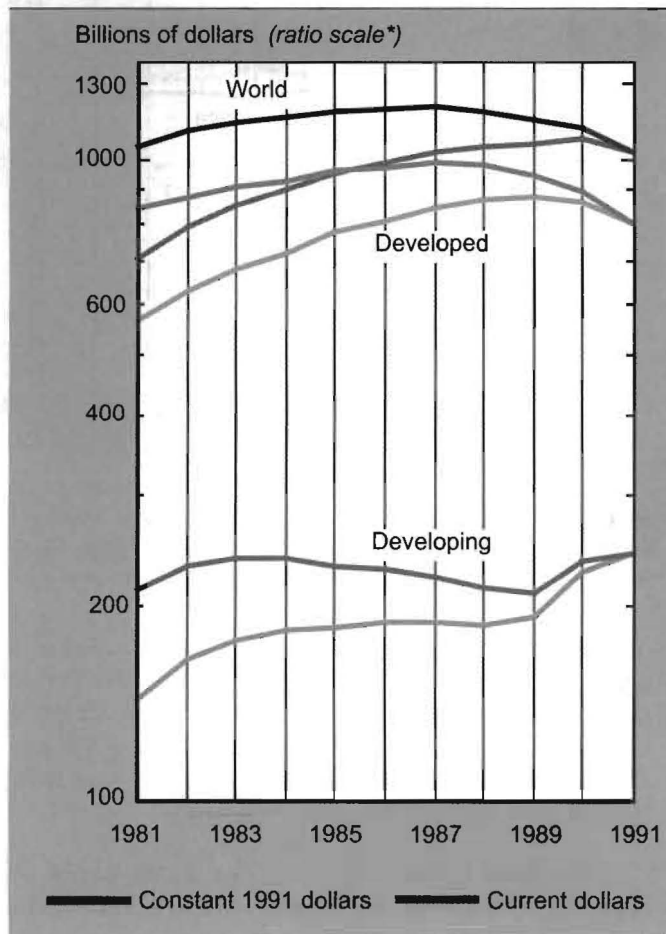


Figure 1 shows world military spending trends in current (contemporary) dollars and constant dollars (adjusted for inflation), both based on 1991 exchange rates. The changes discussed here refer to the data series in this edition of WMEAT ("we-meet"). Inter-edition differences in dollar levels can occur because of both revisions in underlying estimates and changes in the conversion rate of other currencies to the dollar, since a new exchange rate base year is employed with each edition. (See Statistical Notes, Conversion...to Dollars, for further discussion.)

* The logarithmic or ratio scale used in this and other figures is designed to facilitate comparisons of rates of change. A ratio scale is compressed as values increase so that, anywhere on the chart, equal vertical distances represent equal ratios of value and equal slopes represent equal rates of change.

Table 1
Military Expenditures: Shares and Growth
(In percent)

	World Share		Real Growth Rate*	
	1981	1991	Decade 81-91	2nd Half 87-91
World	100.0	100.0	0.1	-3.7
Developed	79.9	76.7	0.1	-5.2
Developing	20.1	23.3	0.1	2.5
Region				
North America	24.9	28.1	1.5	-4.0
Warsaw Pact	36.3	26.6	-2.0	-10.1
NATO Europe	16.6	18.1	0.7	-0.2
East Asia	9.6	11.5	1.6	2.4
Middle East	6.4	8.5	-0.9	9.3
Other Europe	1.8	2.2	0.9	2.6
Africa	1.5	1.5	-1.1	-3.1
Latin America	1.5	1.5	-0.2	-4.7
South Asia	0.7	1.1	4.7	-0.3
Oceania	0.6	0.8	2.0	0.4
Europe, all	54.7	47.0	-1.0	-6.4
Organization				
NATO, all	41.4	46.2	1.2	-2.6
Warsaw Pact	36.3	26.6	-2.0	-10.1
OPEC	5.6	7.9	-0.7	10.6
OECD	45.3	51.6	1.4	-2.2

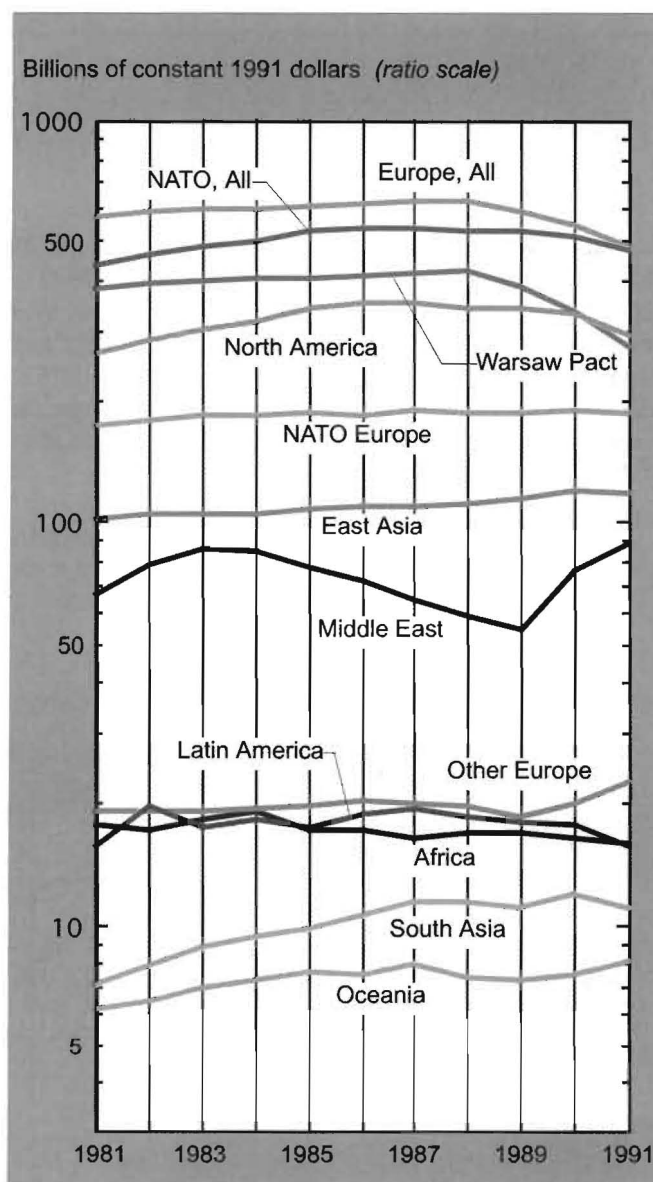
* Average annual rate, calculated as a compound rate curve fitted to all points (see Statistical Notes for details).

Regional and National Trends

The former Warsaw Pact and NATO countries remained the dominant military spending regions of the world during the 1981 to 1991 decade. Together they accounted for nearly three-quarters of the world total in 1991. With the addition of East Asia and the Middle East, 93% of the world spending total was accounted for. This leaves only 7% of world military spending for the remaining five major regions—Other Europe, Africa, Latin America, South Asia, and Oceania—which contain 43% of the world's population.

North America (US and Canada) became the largest single spending region in 1991, when for the first time in the decade it replaced the Warsaw Pact (dissolved on April 1, 1991). The Warsaw Pact countries accounted for 27% of the world total, compared to 35% in their peak year

Figure 2. Military Expenditures by Region, 1981-1991

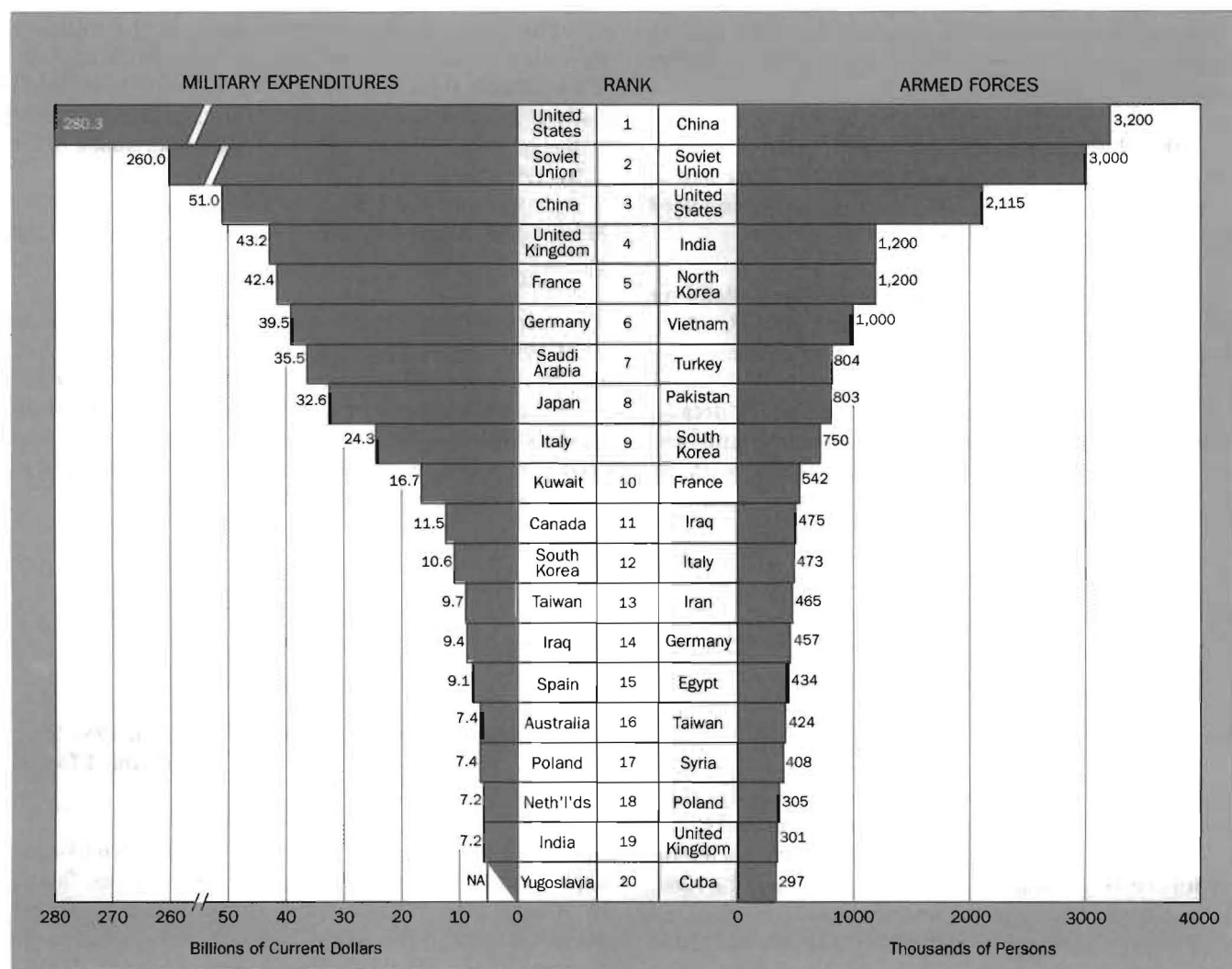


of 1988. Over the second half of the decade the Pact countries reduced spending by an annual 10% while North America, which peaked in 1986, dropped by 4%.

The world share of NATO as a whole reached a decade high of 46% in 1990 and 1991, as NATO Europe spending remained nearly flat over the entire decade while US spending peaked in 1986 and declined at a 4% rate during 1987 to 1991. The higher NATO share was caused by more rapid declines in the rest of the world.

East Asian military spending, the fourth largest by region, grew steadily over the decade at a 1.6% rate,

Figure 3. Leading Military Spenders and Armed Forces, 1991



until leveling in 1991. China's spending was nearly flat over the decade and grew at a 1.3% rate in the latter half. China is apparently the region's largest military spender, although Chinese estimates valued in dollars are tentative due to uncertainty regarding the appropriate yuan/dollar conversion rate (see Statistical Notes). The next largest spender, Japan, maintained a steady growth at an average 4.7% rate throughout the decade. Together the two countries made up 70% of the regional total in 1991.

The Middle East is the fifth largest spending region in the world and second among developing regions. **Total military spending in the Middle East changed course twice over the decade.** After rising to an early peak in 1983, there was a steady decline through 1989, then a sharp upturn in 1990 and further growth in 1991 (see Figure 2). Although the trend over the decade was a slight

decline at a nearly 1% rate, the second half of the decade saw a 9% rate of growth and it became much steeper in 1990-1991 as a result of the Gulf War.

Countries of the Middle East are among the largest military spenders. Three were in the top 15 in the world—Saudi Arabia (7), Kuwait (10), and Iraq (14), while an additional four—Iran, Israel, United Arab Emirates, and Syria—were in the top 30. (See Country Rankings, below.) Middle East military spending per capita is the highest by far of any developing region, and matched NATO Europe's in 1991 (Figure 18).

Middle East countries exhibited highly divergent military spending trends in the latter half of the decade. Seven showed increased spending (including five with annual growth rates over 20%), while eight had declining

spending trends. The Gulf War contributed greatly to this picture and it was strongly influenced by the case of Kuwait, whose average spending growth rate in the latter half of the decade was over 100 percent. (Kuwait's military spending is here treated as including repayment of Gulf War costs to the alliance members.)

Other Europe was the only other region to show a sizeable increase in military spending in the latter half of the decade. This was primarily due to a roughly estimated period-end spurt in Yugoslavia.

Africa's and Latin America's military spending continued their moderately declining trends, which accelerated somewhat in the latter half of the decade.

After a rapid growth in the first half of the decade, South Asia's military spending moderated and was virtually flat in the second half. India, with its predominant share of the region, had a declining trend in

1987-1991. Pakistan's spending continued to rise and Sri Lanka's slowed its rapid growth.

The latter 1980s saw the ending of the military spending rivalry between the Soviet Union and the United States, with the latter peaking at \$341 billion (1991) dollars in 1986 and the Soviet Union peaking at \$362 billion in 1988. With US military spending declining in the 1987-1991 period at a 4.2% rate and Soviet spending, at 7.8%, 1991 saw the US as the leading spender at \$280 billion. The Soviet Union was still a near second at \$260 billion.

A comparison of the world's leading military spenders as of 1991 (Figure 3) with a similar ranking as of 1989 in the previous edition showed some other notable changes. **China now appears in third place with \$51 billion (mainly due to a large conversion rate revision),** Saudi Arabia moved from 11th to 7th, and Kuwait appears as 10th, in view of their special Gulf War payments.

Armed Forces

World Armed Forces

The world's total armed forces fell from 28.4 million members in 1989 to slightly over 26 million in 1991, a 8.5% drop over the two year period. **This continues a mild downward trend** since peaking at 28.9 million in 1986. The worldwide trend was flat over the decade, but declined by an average 2.2% over the latter half of the decade (Table 2 and Main Table I). In 1991, roughly one-third of the world's soldiers were provided by China, the Soviet Union, and the United States.

Developed Country Trends

Developed country armed forces dropped 13.5% between 1989 and 1991, to slightly under 8.7 million persons. This marks a fourth straight year of decline in armed forces after peaking at 10.4 million in 1987. Forces fell slightly over the decade (at a 1.1% annual average rate), but declined at a substantial 4.5% rate during the second half. In 1991 developed country armed forces made up approximately one-third of the world total.

The armed forces level among the Warsaw Pact continued to decline during 1990 and 1991, falling by an average rate of 8% since 1987. All Warsaw Pact countries experienced declines during the latter two years of the

decade, resulting in a total decline of 22%. In 1981 these countries combined made up 19% of world armed forces, compared with 15% in 1991.

Of all the Warsaw Pact members, the Soviet Union experienced the largest decline in armed forces, falling by 900,000 soldiers since 1988. Soviet armed forces, the second largest in the world, accounted for about three quarters of the alliance's total manpower during 1981 through 1991. After more than a decade during which the armed forces level remained constant at 3.9 million, Soviet military manpower began to decline in 1989 and fell to three million by 1991, when it made up 11.5% of the world total. Poland experienced the second largest decline in the Warsaw Pact, with its armed forces falling from a decade high of 443,000 soldiers in 1986 to 305,000 in 1991, a 31% drop.

NATO experienced a small decline in armed forces, averaging .2% annually during the decade and a 1.8% drop in the latter half. The United States, which provided around 37% of total NATO forces throughout the decade, reduced its armed forces by 164,000 soldiers since its military manpower peaked at slightly under 2.3 million soldiers in 1987.

American forces consistently comprised roughly 8% of the world total during the decade and ranked as the third

largest military in 1991 in terms of manpower. Five other NATO members—Turkey, France, Italy, Germany, and the United Kingdom—were also among the leading military countries in manpower terms (Figure 3).

Developing Country Trends

Developing countries generally possess the world's largest armed forces, accounting for two-thirds of the world total in 1991, compared to 63% in 1981. Thirteen of the twenty largest armies in 1991 were developing countries (Figure 3). China, India, and North Korea were among the five largest, in addition to the Soviet Union and the United States. The next four—Vietnam, Turkey, Pakistan, and South Korea—maintained armed forces larger than that of France to round out the ten largest armies.

Armed forces in the developing countries grew .6% annually throughout the decade, but fell at a 1% rate

since 1987. In 1991, manpower levels fell to 17.3 million persons, following a slight increase in 1990.

South Asia was the only region in the world with growing armed forces in both 1990 and 1991. Middle Eastern armed forces grew by approximately 200,000 soldiers in 1990, but fell dramatically in 1991, to slightly under 2.4 million. Africa also experienced an increase in 1990, followed by a substantial drop in 1991. The remaining regions experienced declines in manpower during the last two years of the decade.

East Asia accounts for the largest share of world armed forces, 31% in 1991. China, North Korea, Vietnam, South Korea, and Taiwan account for 82% of the region's military manpower. Although the downward trend has been mild (.7%) over the decade, the region experienced substantial reductions in both 1990 (192,000 soldiers) and 1991 (182,000). This decline can be credited primarily to China, whose armed forces fell by over 700,000 soldiers

Figure 4. World and Regional Armed Forces, 1981-1991

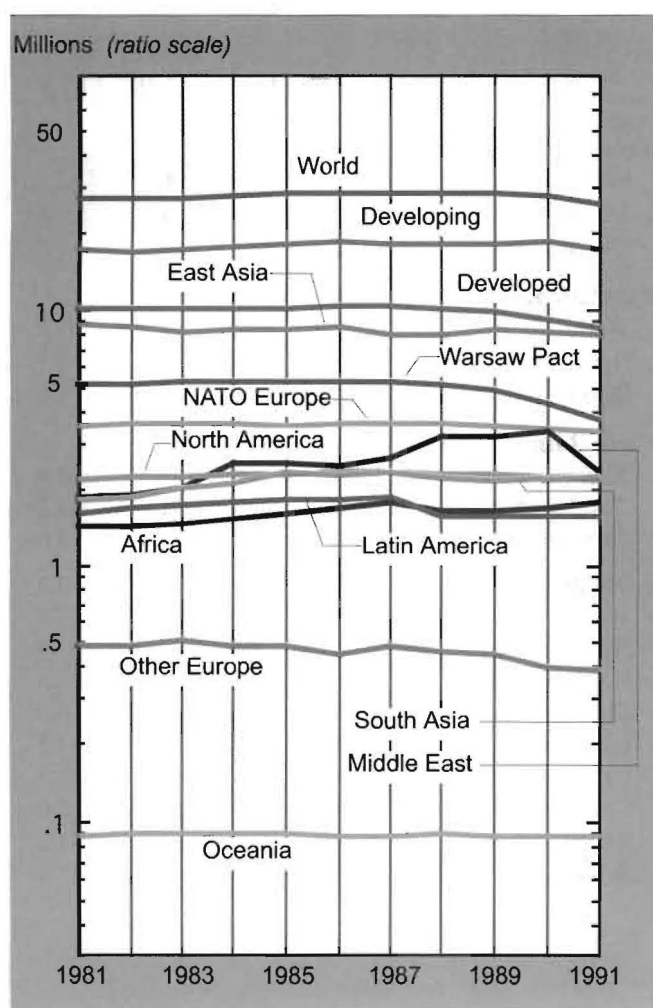


Table 2

Armed Forces: Shares and Growth

(In percent)

	World Share		Growth Rate*	
	1981	1991	Decade 81-91	2nd Half 87-91
World	100.0	100.0	0.0	-2.2
Developed	37.1	33.3	-1.1	-4.6
Developing	62.9	66.7	0.6	-1.0
Region				
East Asia	32.8	31.0	-0.7	0.0
Warsaw Pact	19.2	14.8	-2.2	-8.0
NATO Europe	13.1	13.0	-0.4	-1.9
Middle East	6.9	9.8	5.3	-0.5
South Asia	6.7	8.8	2.0	-0.6
North America	8.0	8.5	0.2	-1.7
Africa	5.2	6.3	1.8	-1.3
Latin America	5.9	6.0	-0.8	-3.6
Other Europe	1.8	1.5	-2.1	-5.4
Oceania	0.3	0.3	-0.3	-0.5
Europe, all	34.2	29.4	-1.5	-5.4
Organization				
NATO, all	21.1	21.5	-0.2	-1.8
Warsaw Pact	19.2	14.8	-2.2	-8.0
OPEC	5.3	7.5	5.5	-1.6
OECD	23.0	23.4	-0.2	-1.8

* Average annual rate, calculated as a compound rate curve fitted to all points (see Statistical Notes for details).

during the latter two years of the decade. China's armed forces, the largest in the world and roughly the size of the armies of North and South Korea, Vietnam, and Taiwan combined, declined at a 3% rate over the entire decade, and 2.7% during the last five years.

North Korean armed forces grew to 1.2 million soldiers in 1990 and maintained that force level during 1991, making it the world's largest army relative to population, with 55 soldiers per thousand people. The country's military manpower grew at an annual rate of 4.6% over the decade and was one of only seven nations (excluding 10 African countries) to record growth at more than 10% during the last half of the decade.

The Middle East reduced its armed forces by roughly 845,000 soldiers in 1991, slowing the region's decade long period of rapid growth in military manpower. In 1991 the Middle East share of the world's armed forces dropped to 9.8%, from 12.2% in 1990.

The region's decline in armed forces can be attributed almost entirely to Iraq, the region's largest army. Iraq reduced its army from a decade high of 1.4 million persons in 1990 to 475,000 in 1991. **Jordan's armed forces fell in 1990** (by 90,000 soldiers) **after experiencing rapid growth throughout the decade.** It was the only other army in the region to record a relatively large drop.

Iran had the second largest army in the Middle East with 465,000 soldiers in 1991. This was 30% below the peak level of 654,000 in 1988, although an increase occurred in 1991. **Iran was followed by Egypt and Syria in size.** Together these three countries made up 51% of the region's military manpower and roughly 5% of the world total. Armies of the United Arab Emirates and Saudi Arabia also grew considerably during 1990 and 1991.

In terms of armed forces per thousand people in 1991, six of the top eight nations were of the Middle East. Israel ranked second behind North Korea with 42, followed by Syria with 31, Jordan with 29, and the United Arab Emirates with 28. Iraq placed a close seventh with 26.5 in this "force ratio" measure (see Country Rankings).

South Asian armed forces grew at an overall rate of 2% during the decade, but **showed a small decline during the last half at .6%.** Indian armed forces, the largest in South Asia and fourth in the world, experienced fairly rapid growth throughout the earlier part of the decade, but declined substantially during the latter half. Indian armed forces have fallen 21% from the 1985 peak of 1.5 million persons to 1.2 million in 1991. Pakistani armed forces

continued to grow over the latter half of the decade, adding almost 120,000 soldiers since 1989. With over 800,000 persons in uniform, Pakistan claims the second largest army in South Asia. The much smaller army of Sri Lanka has almost doubled the size of its army since 1989.

Africa had the third fastest rate of growth in armed forces during the decade (1.8%), behind the Middle East and South Asia, although during the last half growth fell considerably by 1.3%. African armed forces increased to over 1.6 million persons in 1991, making up 6.3% of the world total, compared to 5.2% in 1981. Of the world's 17 countries to record annual growth in excess of 10% during the latter half of the decade, 10 were African.

Latin American armed forces declined in the latter years of the decade. The region's military manpower fell from slightly under 1.9 million soldiers in 1987 to 1.5

Table 3
Force Ratio Trends

	Amount			Growth Rate*	
	1981	1987	1991	Decade 81-91	2nd half 87-91
Armed Forces:	(In millions)				
World	27.3	28.7	26.0	-0.0	-2.2
Developed	10.1	10.4	8.7	-1.1	-4.6
Developing	17.2	18.3	17.3	0.6	-1.0
Population:	(In billions)				
World	4.54	5.04	5.40	1.7	1.7
Developed	1.09	1.14	1.17	0.7	0.7
Developing	3.44	3.89	4.22	2.1	2.0
Force Ratio:	(In soldiers per 1000 pop.)				
World	6.0	5.7	4.8	-1.7	-3.9
Developed	9.3	9.1	7.4	-1.8	-5.2
Developing	5.0	4.7	4.1	-1.4	-3.0
Middle East	13.6	15.9	13.5	2.0	-3.3
Warsaw Pact	13.9	13.5	9.9	-2.7	-7.8
NATO Europe	9.8	9.7	8.4	-1.2	-3.4
North America	8.6	8.8	7.9	-0.8	-2.6
Other Europe	8.7	8.3	6.6	-2.6	-6.0
East Asia	5.7	4.7	4.4	-2.2	-1.5
Latin America	4.4	4.5	3.5	-2.9	-5.5
Oceania	4.1	3.7	3.5	-1.7	-2.0
Africa	3.1	3.2	2.6	-1.2	-4.2
South Asia	2.0	2.2	2.0	-0.2	-2.7

* Average annual rate, calculated as a compound rate curve fitted to all points (see Statistical Notes for details).

million in 1991. The four largest armies—Brazil, Cuba, Mexico and Peru—made up 57% of the region's military manpower in 1991. Brazil's, the largest, increased slowly to a peak of 541,000 persons in 1987 and has since fallen to its lowest level of the decade, 295,000 in 1990 and 1991. The size of Cuba's army held steady throughout most of the decade, at 297,000 soldiers, while both Mexico and Peru showed modest jumps in 1990 and held steady in 1991.

Other European armed forces (excluding those of NATO and Warsaw Pact countries) **declined at a 2.1% rate throughout the decade**, and at a 5.4% rate for the last five years of the period. In 1991, armed forces of these countries made up 1.5% of the world total.

Force Ratios

The ratio of a country's armed forces to its population provides a useful indicator of national military burden and

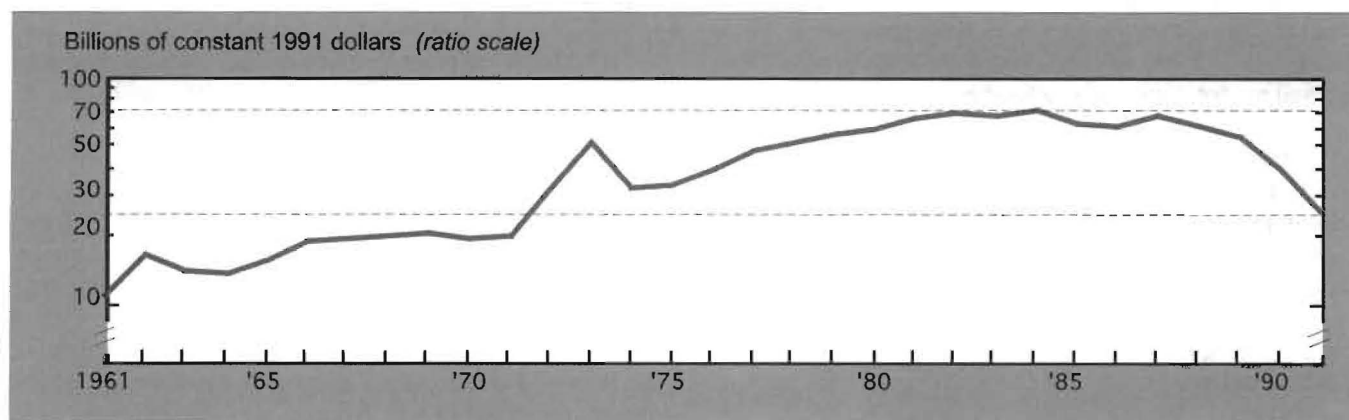
effort. A comparison of trends in armed forces, population, and the resulting "force ratio" shows some significant differences between developed and developing countries and sharp differences among regions (Table 3; see also Figure 18, column 1).

The force ratio for the world declined at a moderate 1.7% during the decade and 3.9% during 1987-1991.

Although the Middle East now has the highest force ratio of any region (13.5 soldiers per thousand population), the developed countries' average ratio of 7.4 in 1991 was considerably higher than that of developing countries, which averaged 4.1. Until recently, this longstanding disparity had been widening, even as the average ratio dropped in both groups. With the large force reductions in the Warsaw Pact and Other Europe in the latter half of the decade, the disparity was reduced, while the average ratio declined in all regions of the world.

Arms Transfers

Figure 5. The World Arms Trade, 1961-91



The world arms trade dropped precipitously in recent years and especially in 1991, when it reached the lowest level since 1971 (Figure 5). The overall decline in deliveries was by nearly two-thirds from the near-record peak in 1987 to 1991, or from \$69 billion (constant 1991) dollars to \$26 billion (Main Table II). Beginning with substantial reductions in 1988 and 1989, the decline accelerated to a 36% drop in 1991 alone.

Arms sales agreements also declined, by 55%, from a record high of \$71 billion in 1985 to \$32 billion in 1991 (Main Table IV). These estimates for agreements, although less reliable than the estimates for arms deliveries cited above, suggest further continuation of the decline. In 1992, world arms deliveries dropped further to about \$20 billion or less (by preliminary estimate, not shown in tables below).

The drastic turnabout in the arms trade is examined below, first from the standpoint of arms importers and then, arms exporters.

Note: • Total arms imports equal total arms exports at the world level (only).

• Initial estimates of arms trade aggregates for the latest year are based on incomplete data and tend to rise when reestimated in subsequent editions.

Arms Import Trends

Arms imports declined generally in both the developing and the developed countries (Figure 6). The rate of decline was somewhat steeper in the developing

Table 4
World Arms Imports: Shares and Growth
(In percent)

	World Share		Real Growth Rate*	
	1981	1991	Decade 81-91	2nd Half 87-91
World	100.0	100.0	-6.9	-21.5
Developed	21.2	24.7	-5.5	-19.0
Developing	78.8	75.3	-7.2	-21.9
Region				
Middle East	35.9	41.4	-7.7	-18.6
NATO Europe	8.4	14.6	-0.7	-12.4
East Asia	9.8	14.4	-3.2	-20.2
South Asia	4.9	11.4	4.4	-14.5
North America	2.8	8.2	1.1	-10.8
Latin America	8.1	3.8	-11.4	-29.3
Africa	17.5	3.5	-18.4	-39.1
Oceania	1.3	1.0	-2.9	-32.5
Warsaw Pact	10.0	0.9	-20.3	-52.2
Other Europe	1.1	0.6	-8.3	-35.6
Europe, all	19.5	16.1	-7.2	-24.4
Organization				
NATO, All	11.1	22.8	-0.1	-11.8
Warsaw Pact	10.0	0.9	-20.3	-52.2
OPEC	32.4	36.7	-8.0	-16.5
OECD	14.8	27.5	-0.4	-13.2

* Average annual rate, calculated as a compound rate curve fitted to all points (see Statistical Notes for details).

group (Table 4), and began earlier, mainly in 1987 compared to 1989 for the developed countries. **Developing country imports in 1991 were \$19 billion, 66% below the record high of \$58 billion in 1984.** Accounting for about a quarter of the world total, **developed country imports dropped by 52% since 1989, to \$6 billion in 1991.**

Overview of Regions

All large regions in the world have shown declining arms import trends since peaking at various times in the mid- to late-1980s (Figure 7). In 1990 and 1991, drastic declines occurred in all regions, with the exception of the Middle East and North America.

As well as widespread declines, **dramatic shifts have occurred over the decade in the distribution of the world market by regions** (Table 4 and Figure 8). **The Middle East, NATO Europe, East Asia, South Asia, and North America, in that order, have become the largest components of the world market.** The share of each increased by five to six percentage points over the 1981-1991 decade. The Middle East increased its traditionally dominate position from 36% to 41%.

Figure 6. World Arms Imports, 1981-1991

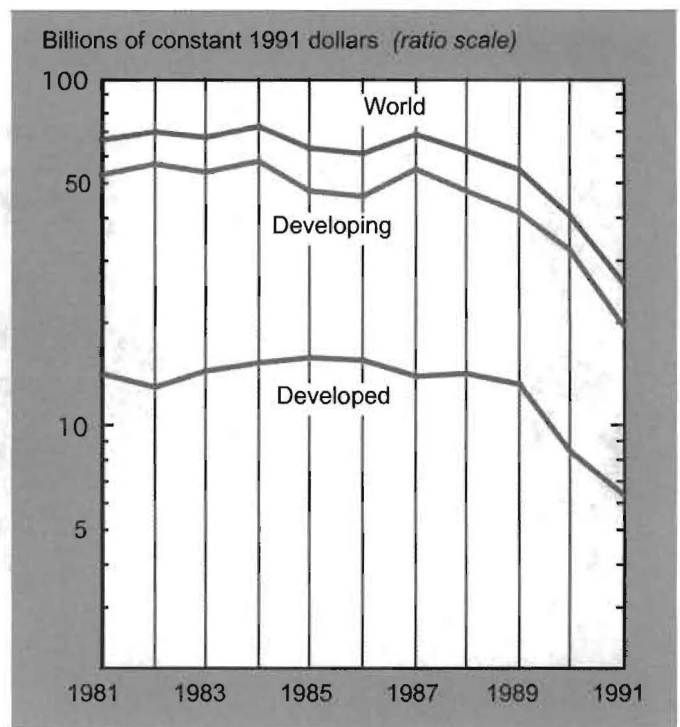


Figure 7. Arms Imports by Region, 1981-91

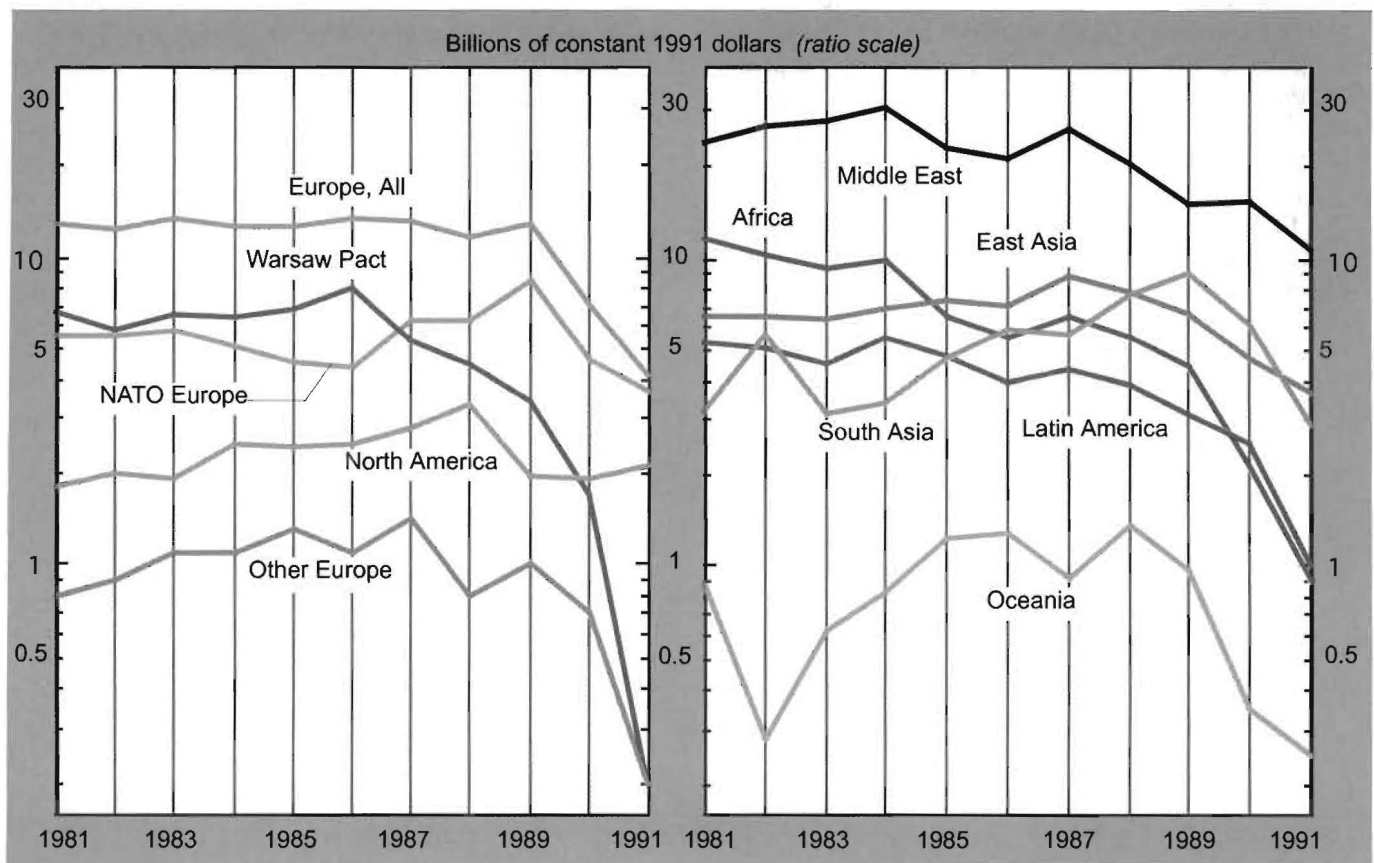
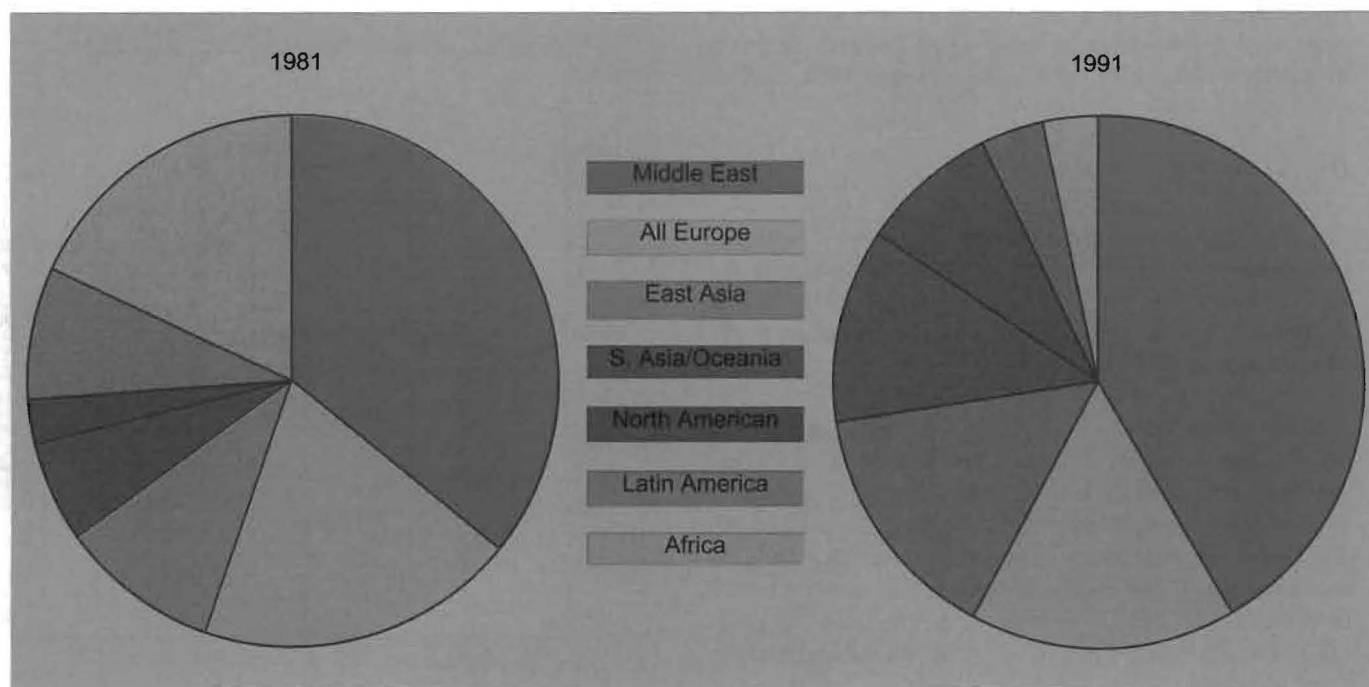


Figure 8. Regional Shares of the World Arms Import Market, 1981 and 1991



On the other hand, Africa's share of world arms imports fell from 17.5% to 3.4%, and the Warsaw Pact's, from 10% to 3.5%. Latin America, Oceania, and Other Europe also reduced their share. The share of Europe as a whole rose to a high of 24% in 1989 as NATO Europe's imports peaked, but drastic declines thereafter by all three parts, especially the Warsaw Pact, brought the 1991 share to 16%, below that of 1981.

For the 1987-1991 period as a whole, the major regions ranked as follows in terms of cumulative arms imports (in billions of current dollars; Figure 11 and Main Table III):

Middle East	\$78.8	34.7%
(Europe, All)	(44.5)	(19.6)
East Asia	28.9	12.7
South Asia	28.8	12.7
NATO Europe	27.3	12.0
Africa	17.8	7.8
Warsaw Pact	13.6	6.0
Latin America	13.3	5.9
North America	11.2	4.9
Other Europe	3.6	1.6
Oceania	3.5	1.5
World	227.3	100.0

The Middle East

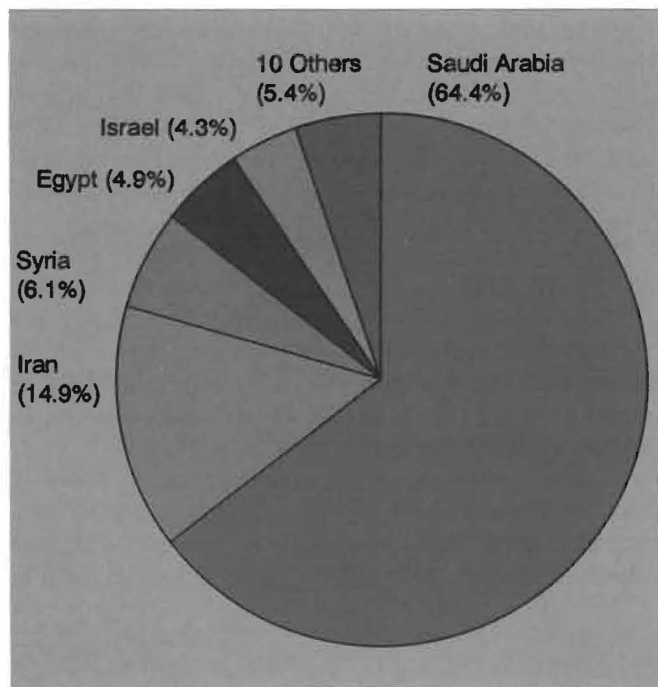
Middle East arms imports fell 65% from an immense \$31 billion in 1984 to a still huge \$11 billion in 1991 (while increasing as a share of the world market). The decline averaged 19% annually since 1987. **However, arms sales agreements by Middle East countries rose from \$13 billion in 1989 to \$17 billion in 1990 and 1991**, as a consequence of the Gulf War. This suggests a rise in deliveries in subsequent years.

Within the region, trends during 1987-1991 varied between countries whose imports grew (United Arab Emirates), fell and rose (Saudi Arabia), rose and fell (Kuwait), remained flat (Qatar), declined an average 13% annually (Iran), or declined by over 20% annually (the remaining 11).

The largest arms importers in the Middle East during 1987-1991 were the following (in billions of current dollars; Main Table III):

Saudi Arabia	\$29.7
Iraq	16.3
Iran	8.8
Syria	5.9
Israel	5.0
Egypt	4.2
10 Others	8.7

Figure 9. Middle East Arms Import Market, 1991



Together the leading six countries accounted for 89% of the \$79 billion spent on weapons and military equipment, with Saudi Arabia alone accounting for well over a third of all Middle East arms purchases.

Saudi Arabia became the leading arms importer in 1989, following the cease-fire of the Iran-Iraq war. Its leadership became much more pronounced in 1991, when its \$7 billion in imports made up 64% of the regional arms market. Other leading arms purchasers in 1991 were Iran (\$1.6 billion), Syria (\$650 million), Egypt (\$525 million), and Israel (\$460 million) (Figure 9).

Iraq, which led the region in arms imports throughout most of the decade, imported zero arms in 1991 due to the international trade embargo imposed on the country following its seizure of Kuwait. However, the five year total of \$16 billion in arms purchases made Iraq the second largest arms importer in the region. Iran followed with almost \$9 billion in purchases during the same period. Syria, Israel, and Egypt were also big spenders, totaling \$6, \$5, and \$4 billion, respectively, although their purchases were declining.

The Soviet Union continued to be the number one arms supplier to the Middle East by providing almost one quarter of all arms imported into the region during 1987-1991 (Main Table III). The Soviet Union's largest

arms recipients were Iraq (\$7.4 billion), Syria (\$5.5 billion), and Iran (\$2.1 billion).

The Soviet Union dominated the arms market in the Middle East throughout most of the 1980s, but its market strength weakened in 1989 due to the country's dramatic reduction of military support to the region. As a result, **other key suppliers have increased their share of the region's arms supply.** Five-year totals for the latter part of the decade show the United Kingdom exporting some \$17 billion in arms to the region, 21% of the total, and providing Saudi Arabia with over half of its military purchases. During this same period, the United States provided the Middle East with over \$14 billion in arms (18%), followed by China and France, with \$7.5 billion (9.5%) and \$7.3 billion (9.2%), respectively. These five supplied the Middle East with 83% of all arms purchased during the latter half of the decade and 78% during the decade.

Trends within Europe

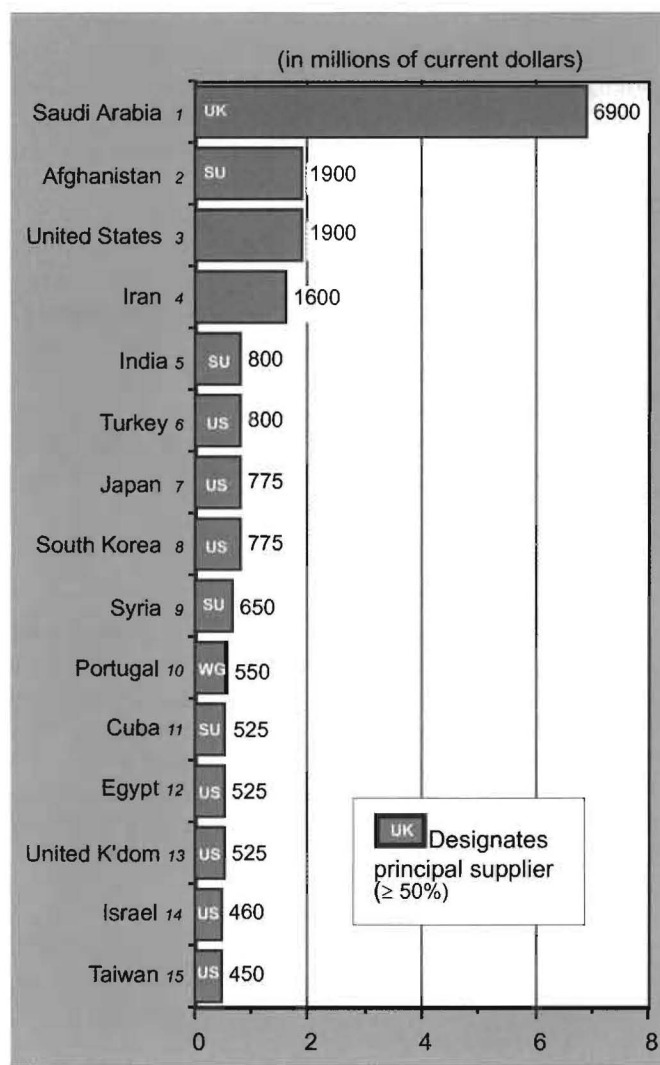
The second largest arms importing region in 1991 was Europe as a whole, which followed the Middle East and had relatively stable amounts of arms purchases throughout most of the decade. For the years 1981 to 1989 the European arms import market was around \$12 to \$13 billion each year. However, **dramatic changes within the European market occurred in 1990 and 1991, as indicated below:**

	1991	1987	1981
	(% of world market)		
Europe, all	16.1	19.1	19.5
	(% of European market)		
NATO Europe	90.7	47.9	42.8
Warsaw Pact	5.3	41.2	51.4
Other Europe	4.0	11.0	5.9

The Warsaw Pact, which made up over 51% of the regional market in 1981, dropped to 5% in 1991 and imported only \$220 million in arms, 97% less than in 1986 when purchases peaked at \$8 billion.

NATO Europe, whose imports also fell in 1990 and 1991, doubled its share of arms imports in the European market over the decade, increasing from 43% in 1981 to 91% in 1991. **In 1991 NATO Europe's arms purchases made up 15% of the world total.** Arms purchases by the non-aligned European countries were stable throughout the decade, but have recorded considerable declines since peaking at \$1.4 billion in 1987.

Figure 10. Leading Arms Importers, 1991



East Asia

East Asia replaced Africa as the second largest regional market in the latter half of the decade. Arms imports peaked in 1987 and despite declining steadily by an overall 58%, in 1991 the region still occupied third place (after NATO Europe) as an arms market.

During the latter half of the decade all countries except Burma and the Philippines experienced falling arms imports. Burma increased its arms imports considerably in the last two years, from \$22 million in 1989 to \$370 million in 1991. Of the remaining 12 countries, all but Japan, South Korea, Malaysia, and Thailand had annual declines in excess of 20%. The region's largest importers during this

same period were Vietnam (\$5.9 billion), Japan (\$5.3 billion), Taiwan (\$3.9 billion), and South and North Korea (\$3 and \$2.4 billion, respectively).

The United States and the Soviet Union were the major suppliers to East Asia, together contributing over 85% of all arms imported into the region during the 1987-1991 period. The Soviet Union supplied nearly all the arms purchased by Vietnam and North Korea, while the United States' main recipients were Japan, Taiwan, South Korea, and Thailand.

South Asia

South Asia's arms import market, which experienced the strongest annual average growth of all regions during the decade (4.4% annually), began to decline after 1989, the year the region made up roughly 17% of the world market. The region acquired \$6 billion of arms in 1990 and nearly \$3 billion in 1991, drops of 33% and 52% since 1989. South Asia's share of world arms imports dropped to 11% in 1991, after being over 15% in 1990.

During the latter half of the decade, India and Afghanistan were the region's largest arms importers, with each acquiring over \$13 billion. However, in 1991 both India and Afghanistan cut their arms purchases roughly in half; India showed an even larger 58% drop in 1990.

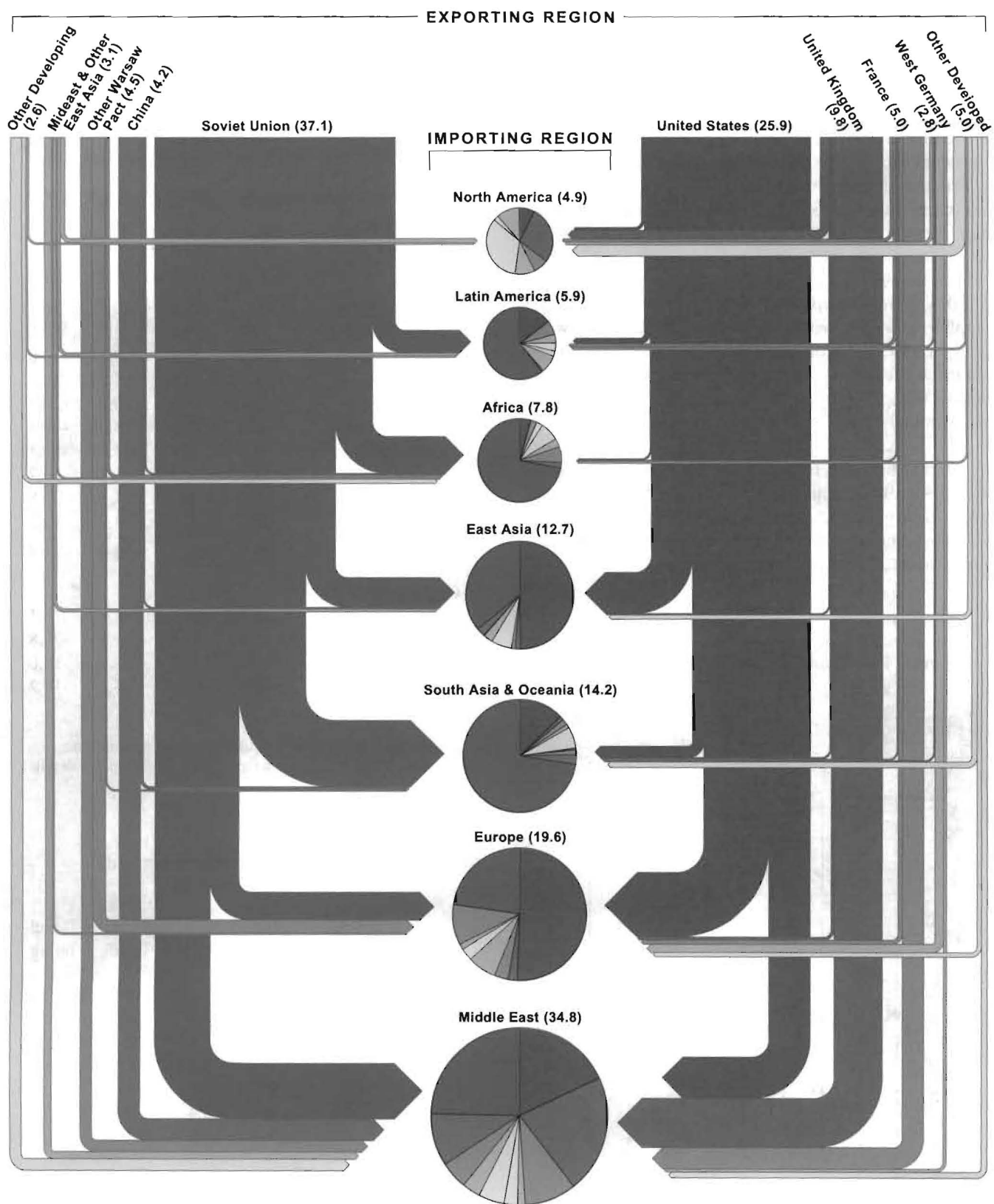
The Soviet Union has historically been the primary source of arms for South Asia, providing 81% of the region's total imports during 1987-1991. Nearly all of these went to Afghanistan and India. The non-aligned European country grouping provided a much smaller \$1.6 billion to the region, with most of this amount going to India. The United States and China followed as arms suppliers, mainly to Pakistan.

Africa

Africa's arms imports fell to a decade low of under \$1 billion in 1991, making up 3.5% of the world arms trade. African purchases have been in a steady decline throughout the decade, posting a drop of 18% annually. Of all African countries, only a handful are large arms importers. Together, four nations—Algeria, Angola, Ethiopia, and Libya—accounted for almost three quarters of all arms purchased within the region.

The Soviet Union continued to be the primary supplier of arms to Africa, providing 72% of all arms imported into the region during 1987-1991 (Figure 11).

Figure 11. Arms Transfer Flows, Cumulative 1987-1991



World Total = \$226.8 billion
 Figures in parentheses represent percent of world total

Areas of circles and widths of flows are proportional to dollar values

Arms Export Trends

World arms exports dropped sharply from the near-record 1987 peak to a 20-year low, (as did arms imports, which match arms exports at the world stage). Throughout the 1981-1991 decade, arms sales declined by 7% annually, but recorded a much sharper decline of 21% annually during the second half (Table 5 and Figure 12). The \$25.5 billion in 1991 arms sales, the lowest since 1971, constituted a 63% drop from 1987. *As with world imports, these declines are subject to some upward revision for the latest years in future editions.*

Developed countries continue to be the primary supplier of arms, providing roughly 93% of the world total in 1991. Throughout most of the decade, these countries accounted for about 90% of total world arms exports, except for 1982, 1984, and 1988, when their share fell to around 86%.

During the 10-year period, developed and developing countries reduced arms exports annually by 7% and 8%, respectively. In the most recent five-year period, developing countries recorded annual declines of 31%, compared to 20% for developed countries.

Figure 12. World Arms Exports, 1981-1991

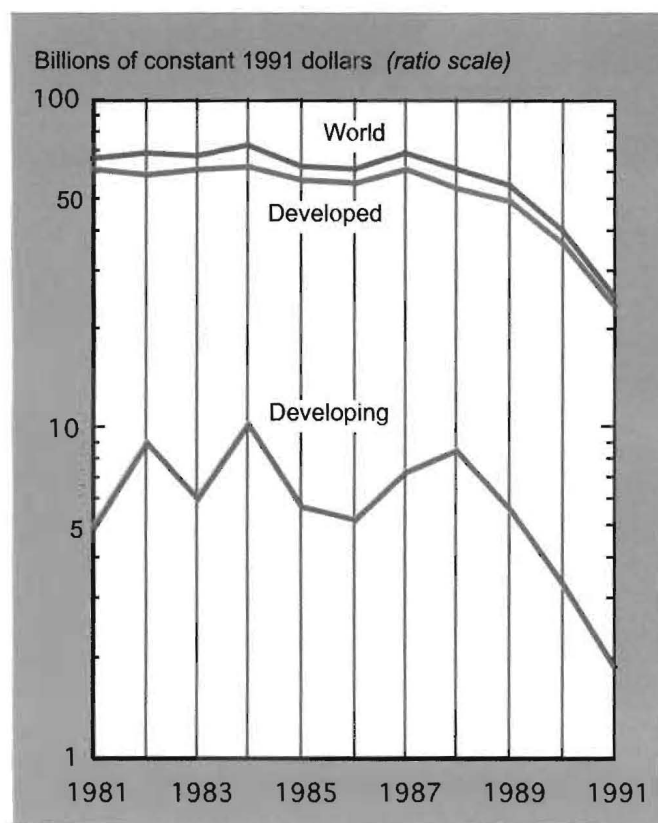


Table 5
World Arms Exports: Shares and Growth
(In percent)

	World Share		Real Growth Rate*	
	1981	1991	Decade 81-91	2nd Half 87-91
World	100.0	100.0	-6.9	-21.5
Developed	92.7	92.6	-6.9	-20.5
Developing	7.3	7.4	-8.0	-30.7
Region				
Warsaw Pact	45.9	27.8	-9.5	-29.8
North America	19.9	39.4	-2.3	-12.6
NATO Europe	24.5	25.2	-7.8	-14.0
East Asia	3.3	4.6	-5.5	-25.7
Middle East	2.4	1.6	-5.1	-24.7
Other Europe	2.6	0.5	-16.0	-46.4
Latin America	0.5	0.4	-10.6	-51.1
Africa	0.2	0.2	-5.1	-20.7
Oceania	0.1	0.1	-1.0	-23.8
South Asia	0.1	0.0	-24.7	10.2
Europe, all	73.1	53.5	-8.9	-24.9
Organization				
NATO, All	44.4	64.6	-4.9	-13.1
Warsaw Pact	45.9	27.8	-9.5	-29.8
OPEC	1.4	0.3	-12.6	-16.0
OECD	46.9	65.1	-5.2	-14.2

* Average annual rate, calculated as a compound rate curve fitted to all points (see Statistical Notes for details).

Table 6
Share of World Arms Exports (in percent)

	Soviet Union	United States	SU & US	Other Developed	Developing
1981	39.9%	19.3%	59.1%	33.6%	7.3%
1982	38.4	18.9	57.2	29.8	12.9
1983	38.5	23.0	61.5	29.6	8.8
1984	34.5	18.8	53.3	32.9	13.8
1985	34.1	21.9	56.1	35.0	9.0
1986	42.7	18.3	60.9	30.6	8.5
1987	37.5	24.0	61.8	27.5	10.6
1988	39.9	21.0	60.8	25.6	13.6
1989	39.6	27.0	66.6	23.1	10.3
1990	37.2	25.9	63.1	28.7	8.2
1991	26.0	37.8	63.7	28.9	7.4

Figure 13. Arms Exports by Region, 1981-1991

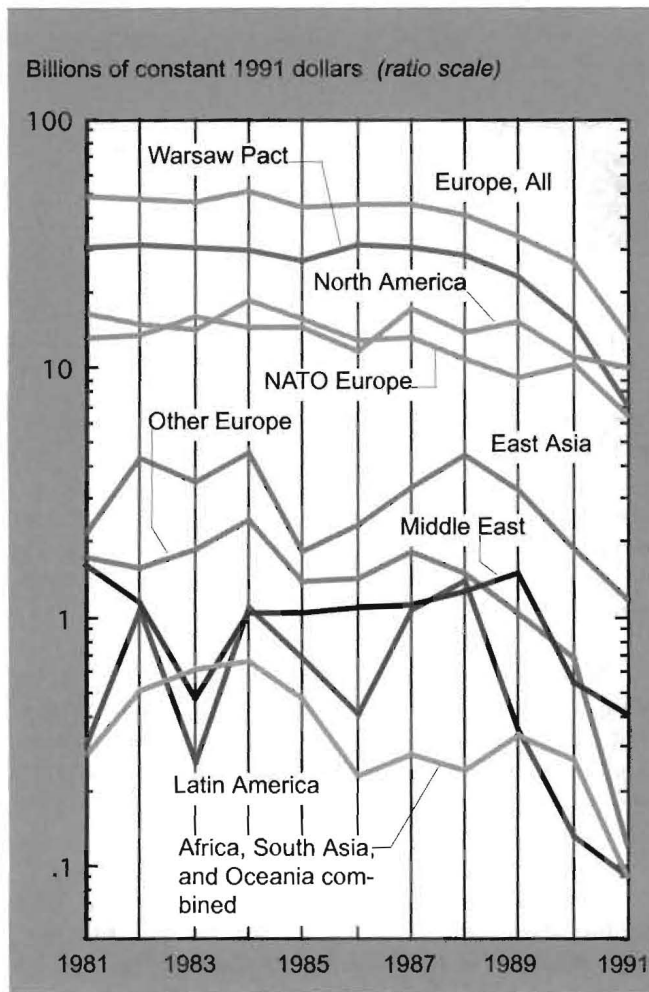
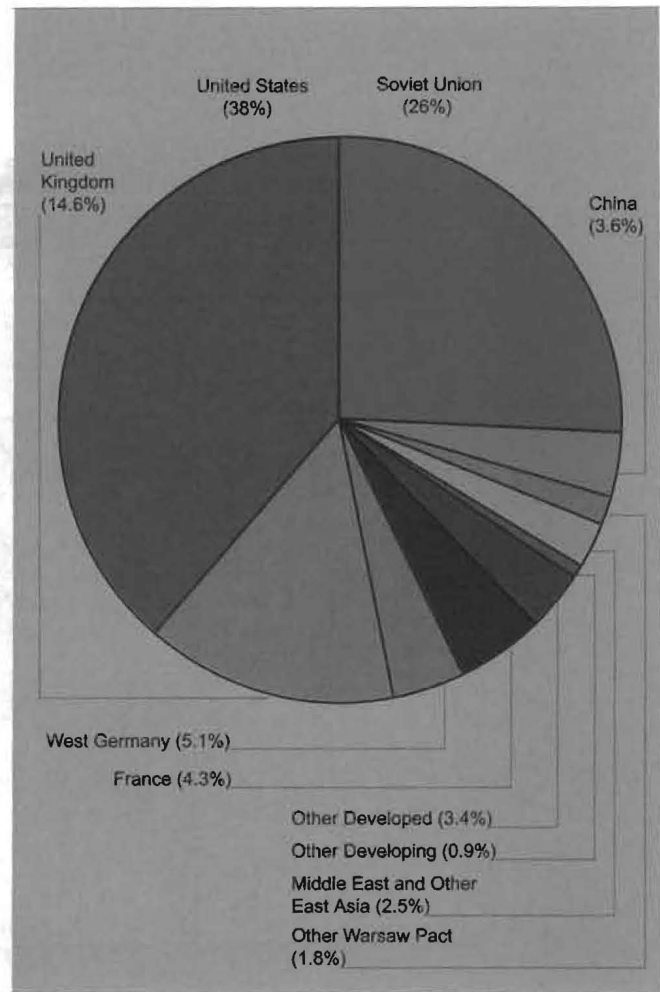


Figure 14. World Arms Export Shares, 1991



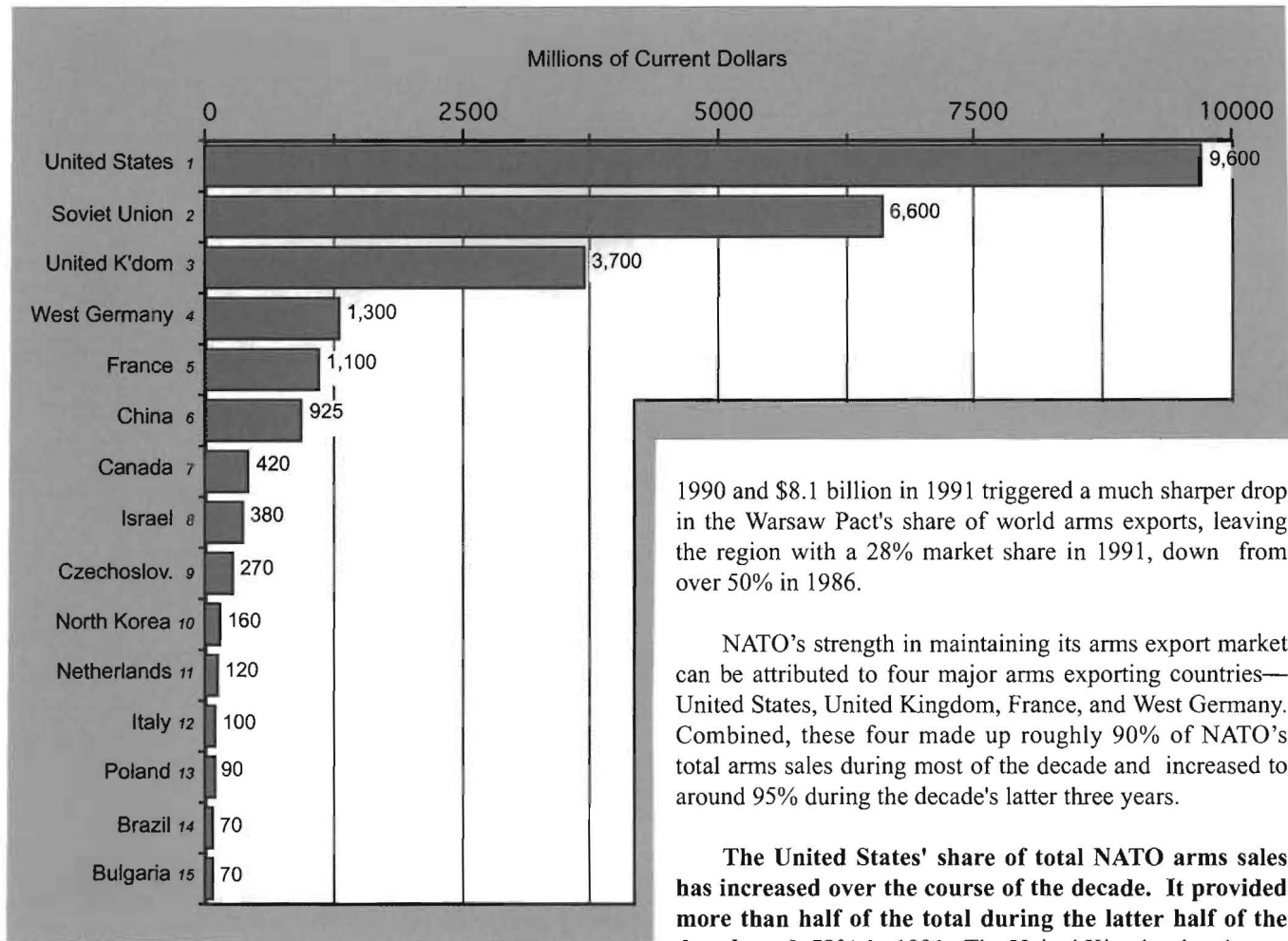
NATO-Warsaw Pact Comparison

NATO and Warsaw Pact countries dominated the arms export market, with aggregate arms exports accounting for well over 90% of the world's total during 1990 and 1991 (Main Table II). However, the distribution of the world arms export market both among and within the two alliances changed considerably during the latter half of the decade, due mainly to the political changes in Eastern Europe and the Soviet Union. The shares of the major exporters in each alliance were as follows (opposite column).

Arms exports by NATO countries have recorded substantial drops since peaking at over \$33 billion in 1984, but these declines have been much less than the world's. As a result, NATO's share of world arms exports rose sharply in the latter years of the decade, especially in 1991 when its share reached 65%. Declines in arms sales of \$8.4 billion in

	1991	1987	1981
	(% of world exports)		
NATO	64.6	44.6	44.4
Warsaw Pact	27.8	44.2	45.9
	92.4	88.2	90.3
	(% of NATO exports)		
United States	58.4	54.5	43.3
United Kingdom	22.5	18.4	14.1
France	6.7	10.7	21.2
West Germany	7.9	5.8	8.1
	95.5	89.4	86.7
	(% of Warsaw Pact exports)		
Soviet Union	93.4	84.8	86.8
Czechoslovakia	3.8	5.0	3.9
Poland	1.3	5.0	4.9
	98.5	94.3	95.6

Figure 15. Leading Arms Exporters, 1991



1990 and \$8.1 billion in 1991 triggered a much sharper drop in the Warsaw Pact's share of world arms exports, leaving the region with a 28% market share in 1991, down from over 50% in 1986.

NATO's strength in maintaining its arms export market can be attributed to four major arms exporting countries—United States, United Kingdom, France, and West Germany. Combined, these four made up roughly 90% of NATO's total arms sales during most of the decade and increased to around 95% during the decade's latter three years.

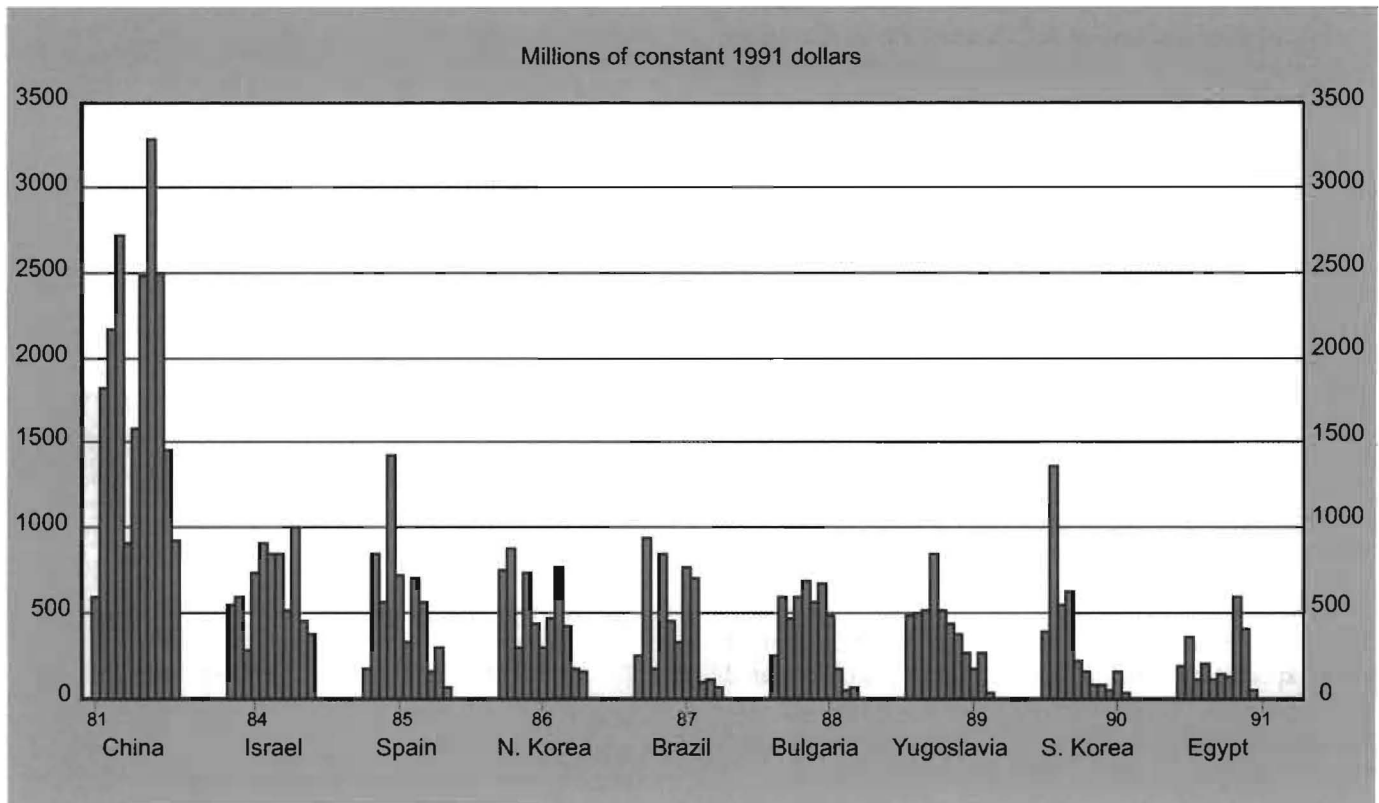
The United States' share of total NATO arms sales has increased over the course of the decade. It provided more than half of the total during the latter half of the decade and 58% in 1991. The United Kingdom's role as a leading arms exporter has risen sharply since 1986. Its share of all NATO arms sales was 14% in 1981, dropped to under 10% during 1983 to 1985, and climbed to over 22% during the latter part of the decade. The country's arms exports increased 3% annually over the decade and it is now the third largest arms supplier in the world. The UK provided roughly 10% of the world's arms in 1987-1991. French arms sales have fallen 14% annually over the decade, to a 10-year low of slightly over \$1 billion in 1991. France provided only 7% of NATO's total arms sales in 1991, compared to over 21% in 1981. West Germany, which absorbed East Germany in 1990, reduced its arms sales by 14% annually during the 10-year period, but recorded an increase of \$260 million in 1991. With the exception of 1984, West Germany consistently provided less than 10% of NATO's total arms sales throughout the decade.

The Soviet Union continued to be the unchallenged leader among Warsaw Pact exporters, providing 89% of the organization's total arms sales during 1987-1991 and 93%

Table 7
Share of Total Arms Exports to Developing Countries (in percent)

	Soviet Union	United States	United K'dom	France	West Germ.	China
1981	42.7%	12.8%	6.8%	11.7%	4.0%	1.1%
1982	40.9	14.5	6.7	9.2	2.0	3.2
1983	43.8	17.5	3.3	10.1	4.3	4.1
1984	38.1	12.3	3.1	12.8	6.1	4.7
1985	38.1	16.0	2.9	17.6	1.8	1.8
1986	47.3	13.6	6.6	10.4	1.6	3.5
1987	41.8	21.1	8.4	5.2	2.2	4.5
1988	46.6	15.4	8.8	3.1	1.9	6.9
1989	46.8	19.5	10.5	4.7	1.8	5.8
1990	44.2	18.3	12.3	12.3	0.3	4.7
1991	33.3	32.3	15.6	5.2	2.6	4.7
1981-91	42.4	16.8	7.2	9.3	2.7	4.1

Figure 16. Developing Country Arms Exports by Country and Year, 1981-1991



in 1991. Czechoslovakia is the only other relatively large arms supplier in the Warsaw Pact, supplying a much smaller 4% of the alliance's sales in both the five-year period and 1991.

United States-Soviet Union

Despite only a slight decline of 2% annually throughout the decade, **the United States recorded sharp drops in arms exports during 1990 and 1991**, falling by almost 34% between 1989 and 1991. However, this decline was much less than the drop in world arms sales (53%), resulting in **a doubling of the US share of world arms exports during this period**. In 1991 the United States made up 38% of the total exports market, compared to 19% in 1981.

Soviet arms exports fell steadily throughout the latter part of the decade, 28% annually since 1987. A 31% decrease in arms sales in 1990 (from \$21.5 billion to \$15 billion) and a 55% drop in 1991 (to \$6.6 billion) are among the results of the changed political and economic climate in the Soviet Union. The Soviets provided 26% of world arms exports in 1991, almost 17 percentage points less than the decade high 43% share in 1986.

The United States and the Soviet Union combined provided nearly 64% of the world's arms sales in 1991, up only slightly from 1990. Prior to 1989, the year in which the two countries together provided a decade high of 67% of the world's total arms sales, their combined shares averaged around 58% (Table 7).

Of the \$84 billion in Soviet arms exports during the latter half of the decade, 91% went to developing countries, with the largest recipients being Afghanistan (\$13.2 billion), India (\$10.2 billion), Iraq (\$7.4 billion), Cuba (\$6.5 billion), Vietnam (\$5.9 billion), and Syria (\$5.5 billion). Soviet arms sales to developing countries remained relatively stable during the first portion of the decade, but declined considerably during the latter half, down from a decade high of \$19.6 billion in 1988 to \$6.4 billion in 1991. Soviet arms sales to developed countries amounted to \$7.5 billion during the latter half of the decade. Excluding \$240 million in arms purchases by Finland, all sales by the Soviet Union to developed countries went to other Warsaw Pact countries.

The United States exported \$59 billion in arms during 1987-1991. Of these, \$35 billion or 60% went to developing countries, with major recipients being Saudi Arabia (\$5.1 billion), Israel (\$5 billion), Taiwan (\$3 billion),

South Korea (\$3 billion), and Egypt (\$2.6 billion). Exports to NATO countries (both developed and developing) totaled \$23 billion or 39%. Non-NATO developed countries purchasing substantial amounts of weapons from the United States were Japan (\$5.1 billion) and Australia (\$2.9 billion).

Developing Country Exporters

In 1991 five developing countries were among the top 15 arms exporters—China (\$925 million), Israel (\$380 million), North Korea (\$160 million), Brazil (\$70 million), and Bulgaria (\$70 million). China's domination of this group increased during the latter years of the decade and by 1991 it was providing almost half of the group's total arms exports. However, China's arms sales in 1991 dropped 36% from 1990 and 72% from 1988, the year the country sold a decade-high \$3.3 billion in arms. Israel and North Korea followed China by exporting some \$380 and \$160 million, respectively, of arms in 1991.

These five developing arms exporters plus Spain, Yugoslavia, South Korea, and Egypt, provided 92% of all arms exported by developing countries in 1991, compared to 75% in 1981. Of the nine, all showed dramatic drops in the latter half of the decade, except Egypt, which increased exports substantially during 1988 and 1989.

Number of Weapons Delivered

Another viewpoint on the arms trade, besides the total dollar value of all arms exports, is the number of units of major weapons transferred. This indicator shows a similar picture of a major downturn in recent years. The number of weapons by major type delivered to all developing countries in the first and second five-year periods of the decade are as follows (see opposite column; in thousands of units; Main Table V, below and in *WMEAT 1987*).

The figures in parentheses are simple summations of the number of all weapons, and have limited significance since the weapons vary widely in size and complexity. The totals by type are more meaningful, although there is also much variation within types. However, the overall type pattern for worldwide deliveries is similar between the two periods (and for other periods since the late 1970s), indicating that the downturn in transfers of weapons has been across the board and that the decline in gross numbers of nearly 50% between the periods is indicative.

Care should be used in interpreting these data on numbers of units of major weapons delivered. Instructive is the variation among suppliers in the ratio of the total value

	1982-86	1987-91
<u>Land Armaments</u>	(55.18)	(27.19)
Tanks	12.90	6.63
Anti-Air Artillery	6.24	2.09
Field Artillery	15.91	7.71
Armored Personnel Carriers	20.14	10.76
<u>Naval Craft</u>	(0.67)	(0.40)
Major Surface Combatants	.13	.06
Other Surface Combatants	.45	.31
Submarines	.02	.02
Missile Attack Boats	.07	.01
<u>Aircraft</u>	(6.48)	(4.05)
Combat Aircraft Supersonic	2.49	1.45
Combat Aircraft Subsonic	.59	.24
Other Aircraft	1.65	1.12
Helicopters	1.75	1.24
<u>Surface-to-Air Missiles</u>	27.59	15.75
Total, all types	(89.93)	(47.38)

of supplier arms exports to the total number of major weapons delivered. This ratio for selected countries and groups in the 1987-1991 period is as follows (in millions of 1991 dollars per unit of major weapon):

All suppliers	3.5
United Kingdom	26.4
United States	12.8
Soviet Union	3.4
China	2.5
Other developing	2.4

Total arms exports by value, of course, includes much more than major weapons, and the above ratio is not to be taken as measuring differences in value per comparable weapon, although differences in such a conceptual measure undoubtedly affect the ratio. Doubtless, one of the many factors bearing on this ratio is the fact that upgrading components and services, spare parts, ammunition, and other expensive items enter arms exports by value, but are excluded from the number of major weapon deliveries. (See the Statistical Notes for a description of the content of arms exports.)

The Soviet Union supplied by far the largest number of weapons to all developing regions and predominated in most weapon types during the latter half of the decade (Table 8 and Main Table V). Notable is the relatively small number of units of selected types supplied by Western

Table 8
Suppliers of Major Weapons to Developing Regions, 1981-1991

Major Weapon Type	Total	Soviet Union	Other Warsaw Pact	United States	France	United K'dom	Other NATO	China	Other D'vl'ped	Other D'vl'ping
	In Units	(In Percent; Total=100)								
LAND ARMAMENTS										
Tanks	6,626	66.0	10.3	8.8	1.2	—	45.7	6.6	—	6.3
Anti-Air Artillery	2,092	61.2	1.9	.1	—	—	1.2	27.2	1.4	6.9
Field Artillery	7,707	39.2	3.1	8.5	2.4	.5	3.2	25.9	6.0	11.3
Armored Personnel Carriers	10,762	65.6	12.4	8.6	2.2	.9	.6	4.8	—	4.9
NAVAL CRAFT										
Major Surface Combatants	61	27.9	—	—	4.9	9.8	31.0	4.9	—	21.3
Other Surface Combatants	313	18.2	.6	4.2	9.0	4.5	15.3	10.5	3.5	34.2
Submarines	20	50.0	—	—	—	—	35.0	—	—	15.0
Missile Attack Boats	8	—	—	—	—	—	25.0	50.0	—	25.0
AIRCRAFT										
Combat Aircraft, Supersonic	1,453	34.1	—	28.1	6.5	4.5	.3	12.4	3.4	10.7
Combat Aircraft, Subsonic	240	37.5	—	22.9	—	31.3	—	6.3	—	2.1
Other Aircraft	1,116	24.6	11.7	17.6	2.7	60.6	14.8	5.8	—	18.8
Helicopters	1,240	54.4	4.8	11.7	13.3	1.2	11.3	—	—	3.2
MISSILES										
Surface-to-Air	15,746	64.8	2.6	12.9	1.9	3.6	1.5	2.5	.5	9.7
(Total)	(47,384)	(58.2)	(6.1)	(10.6)	(2.4)	(1.9)	(2.1)	(8.9)	(1.3)	(8.5)

countries and the relatively large number by China and other developing countries.

Regional Recipients

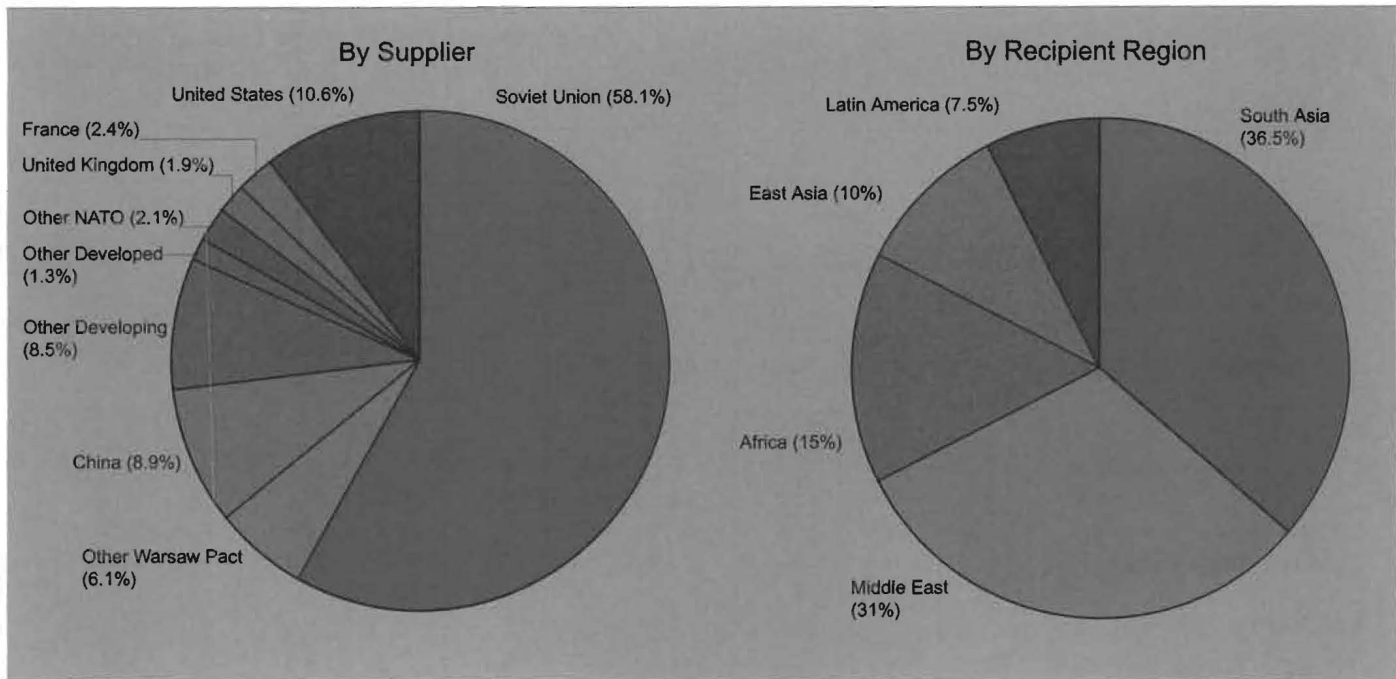
South Asia received the largest number of major weapons during the latter half of the decade, with 17,288 units supplied to the region, 36% of the total supplied to developing countries (Figure 17 and Main Table V). Of these, 11,498 were land armament weapons, 4,780 were surface-to-air missiles, 930 were aircraft, and 80 were naval craft. South Asia received 87% of its major arms from the Soviet Union. China supplied 4% of the total to the region.

The Middle East was the next largest recipient of major weapons during this same time period with a total of 14,765 units imported into the region, amounting to 31% of those of developing countries. Of these, 7,882 were land armament weapons, 5,685 were surface-to-air missiles,

1,094 were aircraft, and 104 were naval craft. The Soviet Union provided 39% of all major armaments sold to the Middle East, while the remaining Warsaw Pact countries provided an additional 12%. China was the next largest individual supplier, providing 15% to the region, followed by the United States and other NATO members, providing 14% and 6.5% of the total, respectively. Roughly 14% of all major armaments were provided by developing countries, other than China and those in the NATO and Warsaw Pact alliances.

Africa was the third leading importing region in terms of the total number of arms delivered, with 7,122 major weapons purchased during 1987-1991. Of those, 4,719 were land armament weapons, 1,690 were surface-to-air missiles, 632 were aircraft, and 81 were naval craft. As in South Asia and the Middle East, the Soviet Union dominated the market in terms of the percentage of total armaments supplied, providing 43% of the major arms imported into the region. The remaining Warsaw Pact

Figure 17. Number of Arms Delivered to Developing Countries, Cumulative 1987-1991



countries provided a total of 600 major weapons to the Middle East, amounting to 8% of the total. China was the next largest individual importer of major arms into the region, providing 10% of the total, followed by the United States and France, supplying 8% and 7%, respectively.

The Soviet Union was also the dominant supplier of major weapons to Latin America, supplying 68% of the

total 3,555 armaments sold to the region during this period. East Asia was the only region not dominated by the Soviet Union in terms of total numbers of weapons supplied. It imported 4,856 major weapons, 36% from the United States, 24% from the Soviet Union, 15% from China, and 12% from the United Kingdom.

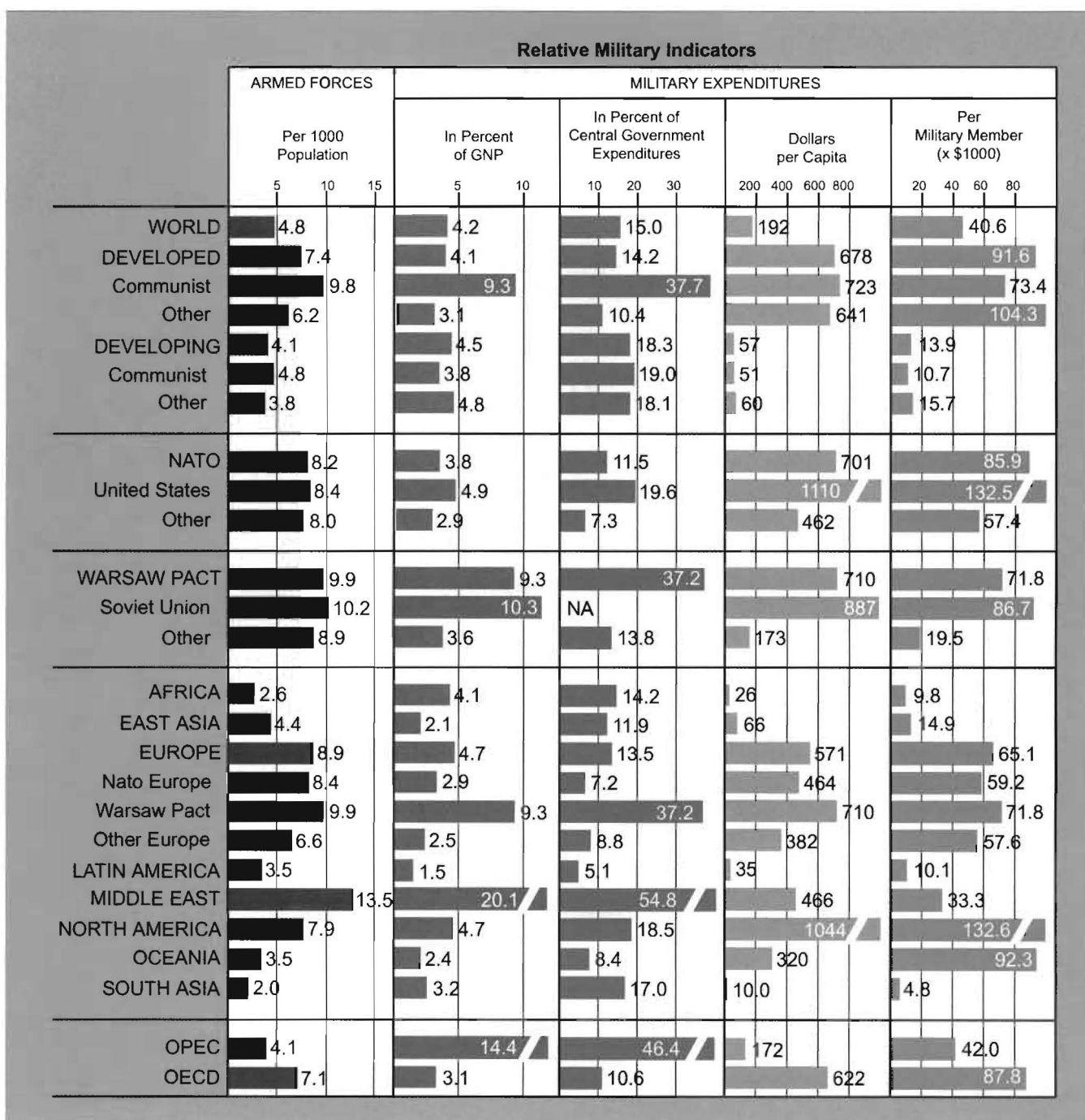
Military Burden and Other Relative Indicators

Relative Burden

In addition to military expenditures, armed forces, and arms transfers, which serve as absolute measures of military effort, it is useful at times to compare these measures to other variables to obtain relative indicators of military effort. One such indicator, the force ratio, or the ratio of

armed forces to population, is highlighted above under Armed Forces (see also Figure 18, first column). Another commonly used relative measure is the burden ratio, or the ratio of military expenditures to gross national product (ME/GNP; Figure 18, column two).

Figure 18
Relative Indicators - 1991 (all value figures in 1991 dollars)

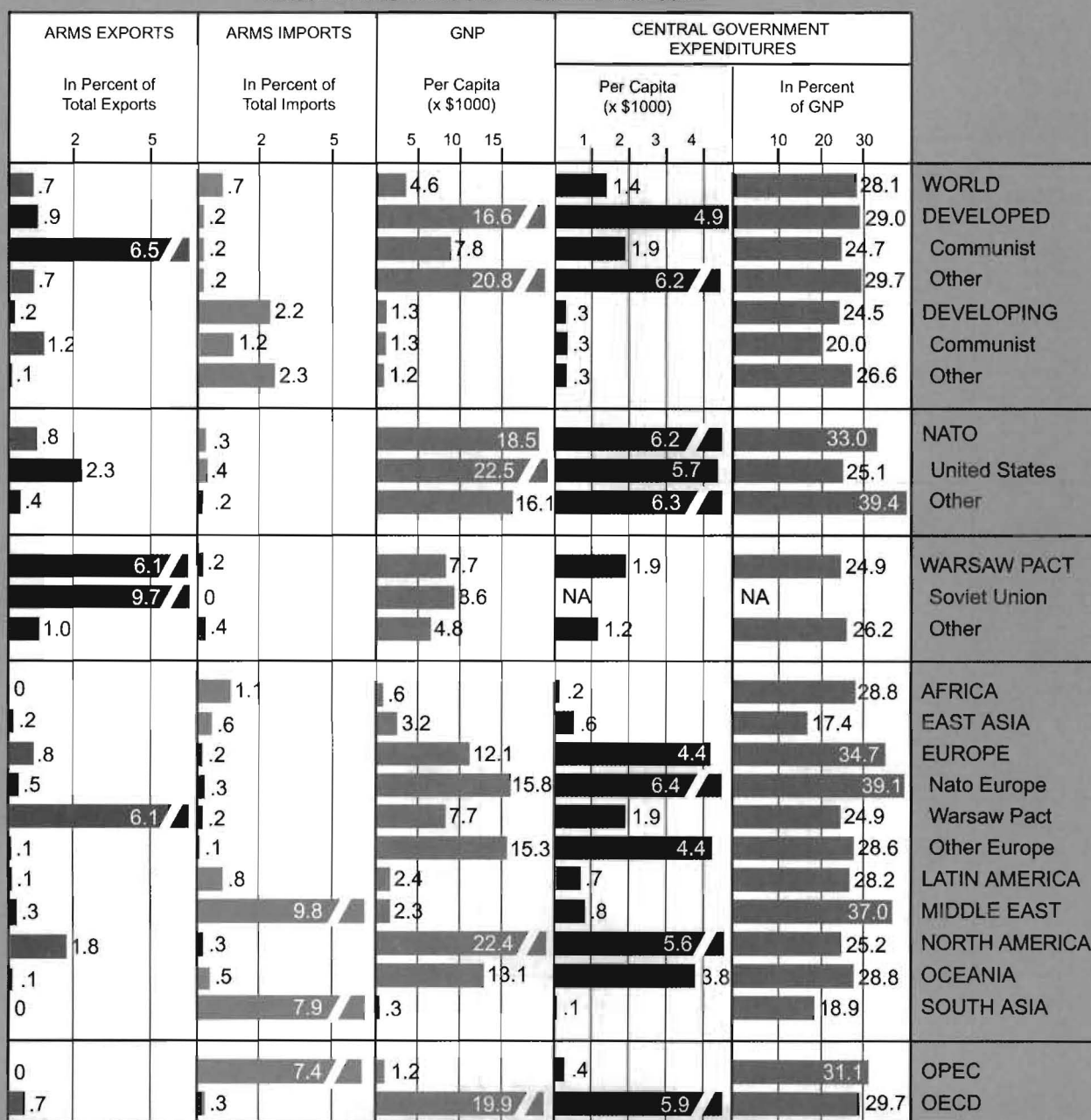


Average Relative Indicators

The basic economic variables (population, GNP, central government expenditures (CGE), and total trade) contained in the Main Statistical Tables together with the military variables (military expenditures (ME), armed forces, and arms trade) make it possible to calculate a variety of useful ratios or relative indicators. Ten such average indicators for 1991 are presented in Figure 18, to facilitate both inter-group comparisons for a given indicator and an overview of all the indicators for a given group. Besides the usual groupings, communist, non-communist, non-U.S., and non-Soviet subgroupings are also shown.

The average indicators in Figure 18 are calculated as the ratio of the group totals of the two variables. As such, they are equivalent to the weighted average of individual country ratios, with the denominator variable being the weighting factor. Consequently, the shift from 1989 to 1991 exchange rates is likely to result in changes in the relative weights of countries and may also cause changes in some group indicator levels from those shown in *WMEAT 1990*. See Statistical Notes, Conversion . . . to Dollars, for a discussion of the impacts of the shift in the exchange rate.

Relative Arms Trade and Economic Indicators



The ME/GNP Ratio

In 1991 the burden ratio for the world fell to 4.2%, a new low for the decade (as well as for the entire period to 1960) and a drop of 1.5 percentage points from the decade-peak 1983 level (Main Table I). This drop is credited primarily to the declining burden ratios in the developed countries, a trend which has persisted throughout the last third of the decade. The ME/GNP burden for developed countries fell from 4.8% in 1989 to 4.1% in 1991. The burden ratio of developing countries also experienced similar declines throughout most of the decade and fell to 4.1% in 1989. However, this ratio rose again in 1990 and held in 1991 at 4.5%, due to the surge in military expenditures occurring in the Middle East.

Communist countries have been reducing their share of GNP devoted to military spending throughout the decade. By 1991 the ratio had dropped to 9.3% and 3.8% for developed and developing communist countries, respectively. Because of Soviet dominance, the burden ratio for developed communist countries has historically been much larger than that of developing communist countries.

In general, the Warsaw Pact maintained considerably higher levels of ME/GNP burdens relative to their NATO counterpart and continued to have the highest ME/GNP burden of the developed regions. The Pact's burden ratio fell to 9.3% in 1991, a drop of three percentage points from its 1982 peak level. The non-Soviet Warsaw Pact countries

Figure 19. Relative Burden of Military Expenditures — 1991

ME/GNP* (%)	GNP PER CAPITA (1991 dollars)					
	Under \$200	\$200-499	\$500-999	\$1,000-2,999	\$3,000-9,999	\$10,000 and over
10% and over	Ethiopia+ Afghanistan+ Mozambique Cambodia+		Iraq+ Yemen Cape Verde+	North Korea+ Syria Jordan	Saudi Arabia Oman Soviet Union	Kuwait Qatar+ United Arab Emir.
5-9.99%	Rwanda	Pakistan Chad Liberia+	Angola+ Burma Zimbabwe Albania+	Sudan Iran+ Turkey	Libya Bahrain Cyprus Yugoslavia+ Greece Taiwan	Israel Singapore
2-4.99%	Tanzania+ Uganda Burundi Sierra Leone	Vietnam Nicaragua Laos+ Burkina Faso Equatorial Guinea+ Togo Kenya India Guinea-Bissau+ Zambia+ Haiti	Sri Lanka Lesotho+ Mauritania+ Egypt Papua New Guin. Bolivia Philippines	Mongolia Botswana Morocco Cuba+ South Africa Malaysia Venezuela Lebanon Tunisia Chile China Congo+ El Salvador Thailand Colombia Fiji Uruguay Ecuador	Poland+ Romania+ Bulgaria+ Suriname South Korea Gabon+ Portugal Czechoslovakia+ Hungary+	United States United Kingdom France Norway Sweden Australia Netherlands Germany Belgium Italy Denmark Canada Finland
1-1.99%	Somalia+ Bangladesh Nepal	Benin+ Mali+ Zaire+ Cen. African Rep.+ Guinea Niger Madagascar Malawi Guyana	Senegal Honduras Cameroon Indonesia Ivory Coast	Algeria Paraguay Swaziland Brazil Peru	Argentina	Switzerland Spain New Zealand Ireland Austria
Under 1%		Nigeria Ghana Gambia, The+ Sao Tome&Princ.+	Guatemala Dominican Rep.	Jamaica Mauritius Costa Rica Panama	Malta Trinidad & Tobago Barbados+ Mexico	Japan Luxembourg Iceland

* Countries are listed within blocks in descending order of ME/GNP.
+ Ranking is based on a rough approximation of one or more variables, for which 1991 data or a reliable estimate is not available.

as a group showed an even larger drop during the 1989-1991 period, from 8% in 1989 to 3.6% in 1991.

NATO's burden ratio also fell to its lowest level of the decade in 1991 and, at 3.8%, was two-fifths the size of the Warsaw Pact's. The NATO ME/GNP ratio has continued to decline since peaking at 6.8% during the mid-decade years. Within NATO, North American burden ratios fell from 5.4% in 1989 to 4.7% in 1991. NATO Europe's ratio fell further to 2.9%.

The Soviet Union continued to have a high burden ratio (see the Statistical Notes) and allocated a much larger share of GNP to military spending than the US. Throughout most of the decade, the Soviet burden ratio was close to 13%, but declined since 1987 to a 1991 level of slightly above 10%. The Soviet ratio has generally been twice as large as that of the US, which dropped from a 6.6% decade high in 1985-1986 to 4.9% in 1991.

The Middle East ME/GNP ratio, the highest of any region, rose to a phenomenal 20% in 1991, mainly as a result of the large-to-moderate military spending increases by Kuwait, Saudi Arabia, the United Arab Emirates, and Syria. As noted above, Kuwait's military spending here includes repayment of Gulf War costs to its allies. As a result, Kuwait's burden ratio exceeded 100% in 1991 (Main Table I). The increase in the Middle East burden ratio accounted for the rise in the ratio for the entire developing group. The sharp rise in the Middle East burden ratio in 1990 and 1991 followed a steady decline from a 17.6% high in 1984 to 12.6% in 1989.

Within the Middle East, Egypt, Israel and Jordan each continued a trend of reduced burden ratios during the 1990-1991 period, each marking new decade lows. Oman also lowered its burden ratio to a decade low in 1991, falling by 5.3 percentage points since 1989. Egypt's burden ratio of 3.4% was the lowest in the region in 1991, and was followed closely by Lebanon's 3.5%. Israel's ME/GNP ratio remained unchanged in 1990, but fell by 4.5 percentage points to 8.1% in 1991. These three, along with Bahrain, Cyprus, and Iran, were the only countries in the region to record burden ratios less than 10%. Jordan's ratio was slightly above the 10% level, at 11.2%.

Other Europe and Oceania also increased their burden ratios during 1990 and 1991, but only slightly, by .5 and .2 percentage points, respectively. Among the remaining regions, burden ratios showed a relatively small decrease, with ratios falling by less than one percentage point between 1989 and 1991.

Figure 19 classifies all countries in 1991 according to both burden ratio and income level, as measured by GNP

Table 9
The Burden Ratio: ME/GNP
(In percent)

	1981	High		Low		1991
		Year	Value	Year	Value	
World	5.4	'82-3	5.7	'91	4.2	4.2
Developed	5.3	'83	5.6	'91	4.1	4.1
Developing	5.7	'82-3	6.2	'89	4.1	4.5
Region						
Middle East	12.1	'84	17.6	'81	12.1	20.1
Warsaw Pact	12.2	'82	12.3	'91	9.3	9.3
North America	5.2	'85-6	6.2	'91	4.7	4.7
Africa	5.1	'84	5.5	'91	4.1	4.1
South Asia	3.4	'87	4.1	'91	3.2	3.2
NATO Europe	3.5	'83	3.6	'91	2.9	2.9
Other Europe	2.5	'81-91	2.5	'89	2.0	2.5
Oceania	2.3	'85	2.6	'89	2.2	2.4
East Asia	3.1	'81	3.1	'91	2.1	2.1
Latin America	1.6	'82	2.1	'91	1.5	1.5
Europe, all	6.4	'82-3	6.5	'91	4.7	4.7
Organization						
NATO, all	4.3	'83-6	4.8	'91	3.8	3.8
Warsaw Pact	12.2	'82	12.3	'91	9.3	9.3
OPEC	9.0	'91	14.4	'89	8.7	14.4
OECD	3.6	'85	4.0	'91	3.1	3.1

per capita. The widespread scatter of countries throughout the entire matrix suggests that income level or stage of development is not a critical determinant of the burden ratio. Involvement in civil or external war, military threats by neighbors, or over-emphasis on military power are probably more relevant.

In accord with the generally declining tendency of the burden ratios in recent years, the most dense cells in the matrix also has moved downward, toward lower burden ratios, in the 1991 picture compared to the similar chart for 1989 in *WMEAT 1990*. However, 16 countries recorded ME/GNP ratios of over 10%, as in 1989. Of these 16, 9 were from the Middle East, 4 were from Africa, and the others included the Soviet Union, North Korea, and Cambodia.

The ME/CGE Ratio

The percentage of central government expenditures spent on defense (ME/CGE) is another useful measure of

Table 10
The ME/CGE Ratio
(In percent)

	1981	High Year	Value	Low Year	Value	1991
World	18.4	'83-4	18.9	'91	15.0	15.0
Developed	18.1	'85	18.7	'91	14.2	14.2
Developing	19.9	'82	20.6	'89	13.0	18.3
Region						
Middle East	26.9	'91	54.8	'81	26.9	54.8
Warsaw Pact	42.0	'83	43.5	'90	36.6	37.2
North America	22.2	'87	25.6	'91	18.5	18.5
South Asia	17.9	'83	19.6	'89	14.1	17.0
Africa	17.2	'81,4	17.2	'87	14.0	14.2
East Asia	14.9	'82	15.0	'91	11.9	11.9
Other Europe	8.1	'91	8.8	'83-4	7.7	8.8
Oceania	8.6	'82	8.8	'89	8.1	8.4
NATO Europe	8.7	'81	8.7	'91	7.2	7.2
Latin America	6.3	'84	7.4	'89	3.0	5.1
Europe, all	18.3	'81	18.3	'91	13.5	13.5
Organization						
NATO, all	13.7	'86	14.7	'91	11.5	11.5
Warsaw Pact	42.0	'83	43.5	'90	36.6	37.2
OPEC	23.8	'91	46.4	'81	23.8	46.4
OECD	12.3	'85-7	13.2	'91	10.6	10.6

military effort. It complements the ME/GNP ratio and can show a differing comparative burden level from the latter, since the ratio of CGE to GNP varies considerably. For example, the average for this latter ratio in 1991 ranged from 39% for non-US NATO to 17% in East Asia (Figure 18).

The ME/CGE ratio reached new lows in 1991 for the world as a whole and for the developed countries and East Asia (Table 10 and Main Table I). However, for the developing countries as a whole and for Latin America, South Asia, and Oceania, the low was reached in 1989 and the more recent years showed an upturn.

In fact, 1991 saw a new decade high for this ratio in the Middle East, Other Europe, and OPEC countries. The Middle East ratio increased generally over the decade and reached the extraordinary level of 55% in 1991. (Kuwait's repayment of Gulf War cost to its allies influenced this result.)

Within the Middle East, the United Arab Emirates (128%), Syria (60%), Oman (36%), and Jordan (27%) had

the largest CGE burden ratios, although other ratios (roughly estimated and unpublished), such as for Kuwait, Saudi Arabia, and Libya, undoubtedly were also high.

Czechoslovakia (17%) and Poland (33%) had the largest ME/CGE ratios in the Warsaw Pact, with Bulgaria and the Soviet Union roughly estimated to be high also. Historically, Soviet ME/CGE has averaged 75% higher than that of the US, a disparity which is mirrored in a comparison of the ratios of other Warsaw Pact (37.2%) and other NATO (11.5%) countries.

East Asian countries—Vietnam (40%), Taiwan (32%), Singapore (25%) and North Korea (20%), Latin American countries—El Salvador (24%) and Colombia (21%), African nations—Sudan (103%) and Uganda (22%), and Pakistan (25%) also recorded relatively high ME/CGE ratios. Afghanistan, Ethiopia, and Yugoslavia are also roughly estimated to have high ratios.

ME per Capita

The ME per capita ratio, another complementary measure of military burden or effort, also shows a wide gap between developed and developing countries. The gap amounted to \$621 in 1991 when the measure averaged \$678 for developed and \$57 for developing countries (Figure 18). This gap has narrowed somewhat from 1981, when it was \$707 (Main Table I). The Gulf War doubtless influenced this result as well.

The US and Soviet Union positions with respect to ME per capita changed over the decade (in 1991 dollars):

	1981	Peak year	1991
Soviet Union	1,220	1,256 ('87)	887
United States	1,102	1,412 ('86)	1,110

Both peaked in the mid-1980s, but the relevant rankings were reversed over the decade (see Country Rankings for other countries in 1991).

ME/AF Ratio

Military expenditures per member of the armed forces (ME/AF) is a different kind of relative indicator. Rather than burden, it measures the level of armament and military effort per soldier (to the extent that exchange-rate-converted dollar values of military expenditures succeed in measuring the total).

In terms of this indicator, developed countries in 1991 (averaging \$91,600) exceeded the developing countries

(averaging \$13,900) by 6.2 times (Figure 18). However, the difference between the two groups was reduced from roughly \$84,000 in 1981 to \$77,000 in 1991.

High income countries and Persian Gulf states with small armed forces, such as Kuwait, Saudi Arabia, and Qatar, tend to top the rankings for this indicator.

In 1991 the US ranked 7th and the Soviet Union 13th, down from 10th in 1989 (Country Rankings).

Arms Trade/Total Trade

With the drastic decline in arms trade in recent years, while total trade increased moderately over the decade, the ratio of the two measures dropped substantially—from a world average 2.2% in 1981 to .7% in 1991. In terms of its 4 main components, this ratio looks as follows (in percent; Main Table I):

	Developed	Developing
Arms imports/total imports:		
1981	0.7	6.2
Peak	.8 ('83-6)	8.9 ('84)
1991	.2	2.2
Arms exports/total exports:		
1981	3.0	.6
Peak	3.5 ('83-4)	1.5 ('84)
1991	.9	.2

Over the decade, all four of the above component ratios were reduced by approximately two-thirds. Notable is the 87% drop in the arms exports/total exports ratio for the developing countries from the 1984 peak year to 1991.

Other Indicators

GNP per capita in 1991 dropped slightly for the world as a whole and for the developed countries, ending an upward trend that began in the early 1980s (Main Table I). The indicator for developing countries continued upward since 1982, with a decade-average growth rate of 2%. However, Africa's GNP per capita dropped steadily over the decade by an average 1.7% annually. This doubtless contributed to Africa's declining trends in both military spending and arms imports. Middle East GNP per capita also declined (at a 5.4% rate), although both military spending and arms imports showed diverse trends over the decade.

CGE/GNP, the ratio of central government spending to GNP, was under 30% for the world, developing countries, and developed countries, and remained essentially unchanged from the previous year. This ratio ranged from a low of 17.4% for East Asia to a high of 39.4% for non-US NATO. (See also Country Rankings for individual country ratios.)

Essay

The Competitive Arms Export Market of the 1990s

Summary

Many fewer arms will be sold on the international market in the 1990s. Declining threat perceptions and increased difficulties in financing procurements will severely curtail purchases by the former Warsaw Pact nations and those Third World states that previously relied on security assistance from Moscow. Demand will be robust in the Persian Gulf and East Asia. Gulf Cooperation Council states, Iran, and the more prosperous East Asian states—such as South Korea and Taiwan—will collectively increase their purchases of conventional arms and account for roughly half the market.

Although sales of major weapons—such as fighter aircraft and armored vehicles—will continue to comprise the bulk of the world market, the major growth areas will be exports of sophisticated munitions and support equipment. With respect to major weapons: purchases of ground weapons will fall sharply; aircraft acquisitions will not exceed the numbers imported in the 1980s; and procurement of warships will increase only marginally from currently depressed levels. On the other hand, partly reflecting the experience of the Gulf War, militaries around the world will

make substantially greater investments than they have in the past in precision-guided munitions and in command, control, communications, and intelligence (C³I) capabilities.

Most foreign suppliers will fail to sustain the levels of export sales they achieved in the 1980s, although Western firms offering advanced, competitively priced equipment are well-positioned to compete. The Newly Independent States (NIS) face hard currency receipts sharply reduced from those of the former Soviet Union as a consequence of problems attracting new customers. In the wake of the loss of the lucrative Iraqi market, France is unlikely to match the roughly \$50 billion in arms it sold in the 1980s. The United Kingdom could sustain the level of sales—about \$35 billion—it attained in the 1980s, but declining European demand and reliance on the Saudi market make it vulnerable to shifting procurement priorities. Although some minor suppliers, such as Germany and Israel, are likely to enjoy success in particular niches of the market, defense industries in Eastern Europe and the Third World generally face dismal export prospects for the limited, and often obsolescent, product lines they have to offer.

A Smaller and Narrower Market

As a consequence of reduced threat perceptions and increased difficulties in financing arms purchases, the international arms market of the 1990s will be much smaller than that of the 1980s.

- The decline in purchases will be particularly significant among the former Warsaw Pact nations that bought arms from each other. Arms imports by the East European and NIS states will fall by more than three-quarters as a result of planned force reductions and economic constraints.
- Acquisitions by Third World states—currently about three-fourths of the export market—will also

decrease substantially. Collectively the Third World will purchase more than 25 percent fewer weapons in the wake of Moscow's virtual termination of security assistance to the many nations—for example, Cuba, Syria, and Mozambique—it previously supported.

Collective arms imports by the nations of Western Europe, Australia, and Japan will decline less sharply. The group as a whole will likely spend at least 10 percent less on foreign acquisitions over the decade because of declining defense expenditures.

Despite this general decline, a number of nations in the Persian Gulf and East Asia will make substantial purchases, collectively accounting for roughly half the

market in the 1990s. Among Gulf Cooperation Council states:

- Saudi Arabia plans to buy tanks, surface-to-air missiles (SAMs), and fighter jets from the United States and is providing the equivalent of about \$3 billion in oil annually to Britain toward the purchase of aircraft and other arms. Riyadh will purchase SAMs and other arms from France.
- Kuwait will import billions of dollars worth of combat aircraft, tanks, SAMs, and other weapons.
- The United Arab Emirates recently bought about 450 infantry fighting vehicles from Russia and intends to acquire 390 tanks and other arms.

Elsewhere in the region, Iran will be a major buyer, having allocated roughly \$10 billion for arms under its 1990-94 military plan. Tehran plans to rebuild its forces—depleted during its war with Iraq—with combat aircraft, tanks, infantry fighting vehicles, and arms assembly facilities from the NIS.

Demand for arms among prosperous East Asian countries—including Taiwan and South Korea—will maintain that region's status as the second largest arms market. Longstanding rivalries among neighbors will continue to encourage arms acquisitions in the 1990s. For example:

- South Korea hopes to offset Pyongyang's numerical advantage in weaponry. Seoul will focus on several key areas, including (C³I) systems, better armor and anti-armor capabilities, and increased air capabilities. Long-term plans by the Navy to develop a blue-water force include building destroyers equipped with Western systems and weapons; buying US P-3C maritime patrol aircraft; and co-producing German-designed submarines.
- Taiwan is likely to convince more Western suppliers to provide weapons in light of the recent US decision to sell F-16s and the 1991 French sale of La Fayette-class frigates. Taipei recently signed a contract for French Mirage 2000-5 fighters and is negotiating for Dutch submarines.
- Australia will move ahead with its frigate and submarine production programs to support a "two-ocean" policy designed to protect northern and western Australia.

More "Smart" Purchases

In the 1990s purchasers will devote larger shares of their procurement budgets to acquiring sophisticated munitions and support equipment. Purchases of aerospace equipment—fighter aircraft, missiles, and helicopters—will hold steady or edge upward in value, while imports of major ground weapons and warships, as well as demand for basic munitions and small arms, will fall.

Major Arms

Exports of fighter aircraft will probably pick up modestly from their severely depressed levels of the early 1990s. Moreover, increasing unit costs should keep the value of acquisitions roughly constant compared with the previous decade. Although many aircraft are reaching the end of their service lives, few buyers will allocate funds to a one-for-one replacement with new aircraft, and upgrades for existing airframes will become a more attractive option. Even Taiwan, for example, which plans to buy nearly 210 US and French fighters and approximately 120 domestically produced Indigenous Defense Fighters, will not be able to reach one-for-one replacement. Most Third World countries—especially such former Soviet clients as Syria, Algeria, and Vietnam—whose limited funds will not buy many new aircraft, consequently will be forced to reduce their operational inventories, in some cases by as much as 50 percent. Nonetheless, toward the end of the decade, demand for airframes will increase somewhat compared to the early 1990s as countries in Western Europe and elsewhere replace vintage aircraft such as F-104, F-4, F-5, Mirage III, and older MiG fighters.

Purchases of major ground weapons will probably fall sharply in quantity and value. Fewer tanks, light armored vehicles, and field artillery pieces will be due for replacement, because most Third World inventories were built in the late 1970s or early 1980s. As with fighter aircraft, sharply reduced imports will lead to inventory reductions in the 1990s for many Third World ground forces. Nonetheless, the desire of a number of Persian Gulf countries to improve their armor and artillery capabilities will lead to purchases of tanks, infantry fighting vehicles, and self-propelled artillery in that region. Iran, for example, plans to acquire T-72 tanks, BMP-2 infantry fighting vehicles, and probably additional Soviet-style artillery.

Although the market for imported major warships will remain generally depressed, licensed production in East Asia and modernization programs in the Persian Gulf will result in some sales. Australia, for example, will spend

several billion dollars co-producing German-designed MEKO "ANZAC" frigates, and South Korea is producing Type-209 submarines under German license. In the Persian Gulf, several nations—including Oman, Qatar, and Saudi Arabia—will buy a variety of naval vessels, including mine-hunters, to protect sea lanes and to counter Iranian naval forces, which are buying Kilo-class submarines, as well as missile boats, from the NIS.

Demand for other major arms—such as helicopters and SAM launchers—will fall slightly in terms of quantity sold but rise in terms of purchase price.

- Many nations are still augmenting their helicopter inventories, particularly of attack variants. Countries such as Greece and the United Arab Emirates have signed agreements to buy the AH-64 Apache, and European nations may buy the Franco-German Tiger later in the decade.
- Demand for military transport aircraft—including fixed-wings and helicopters—will rise in the later 1990s, when inventories built in the early 1970s become too costly to upgrade. In response to mobility shortcomings highlighted during the Gulf War, West European and other countries are planning to buy transport aircraft. Militaries worldwide will collectively need to replace hundreds of medium-lift helicopters to maintain current inventory levels.

- As for SAMs, interest has intensified in an anti-ballistic missile capability since U.S. forces used Patriots to intercept Scud missiles during the Gulf War. Several nations, including South Korea, have expressed interest in the Patriot—in addition to countries that have already agreed to buy it—while China and other countries intend to acquire SA-10s from the NIS.

Although several nations, mainly in the Middle East, will buy ballistic missiles, the shift toward domestic production and limited requirements for such systems suggest that sales of finished missiles will decline in the future. Iran and Syria, for example, are purchasing Scud-derived missiles from North Korea and production technology. Nonetheless, although demand for missile components and technology will remain strong, sales of complete missile systems will fall sharply from the several thousand missiles exported during the 1980s. Efforts by the members of the Missile Technology Control Regime to impede the acquisition of materials that can be used to develop ballistic missiles have raised the political costs for some potential buyers who want to maintain strong ties to their major arms suppliers. Other nations may want only enough for a small deterrent.

Sales of cruise missiles are likely to remain strong as suppliers offer dedicated land-attack models for the first time. Total cruise missile exports, however, will probably fall short of the levels of the 1980s. As a result of rising unit

Upgrades: Modernization on the Cheap

Many nations are turning to upgrades, which, in many cases, initially cost one-fourth the price of new systems. Assessment of the fighter market indicates upgrades will grow throughout the decade—to between 100 and 200 aircraft a year—largely as a result of steeply rising prices of new fighters. For aircraft and other major systems, a broad spectrum of countries is engaged in upgrade programs:

- A limited number of countries with Soviet-style arms will improve their tanks with add-on armor and new fire-control systems.
- Romania and India, hard pressed to buy additional MiG-29 fighters, are negotiating to upgrade their MiG-21s.
- Chile has contracted with Israel to upgrade nearly half of its combat aircraft. Tel Aviv is installing a variety of avionics and computers on Chilean F-5s as well as flight control and aerial refueling systems on the Mirage 50s.

Wealthier nations also will continue to perform routine midlife upgrades of major weapons. Denmark, the Netherlands, and Norway, for example, plan to commit about \$1.5 billion to joint production of components for their F-16 Midlife Update Program. Similarly, Singapore is improving its A-4 Skyhawks with F-404 engines and modern avionics.

costs and more capable missiles, many of the dozens of countries that already have antiship cruise missiles will not replace their inventories on a one-for-one basis. Meanwhile, the market for unmanned air vehicles (UAVs), which includes remotely piloted vehicles and drones, will grow during the 1990s.

Advanced Munitions and Combat Support Equipment

Partly in response to the Gulf War, militaries around the world increasingly seek a variety of advanced munitions and support equipment to enhance the effectiveness of their major weapons. Although sales of these systems will continue to be small in dollar terms compared with major equipment sales, their relative importance will increase as the demand for many major platforms declines.

Demand for:

- **Improved and guided conventional munitions** will probably increase over the decade. Operation Desert Storm impressed European militaries with the need for more precision-guided munitions, and several Middle Eastern countries will expand their holdings of precision weapons. In South Asia, India and Pakistan are seeking weapons capable of precision attack, while several East Asian countries are likely to purchase substantial numbers of such systems. Many countries will also seek laser-guided artillery projectiles.
- **Command, control, and communications (C³) equipment** is growing, as nations focus on building integrated command and control networks that can securely transmit both voice and data.
- **Surveillance, electronic intelligence, and target acquisition equipment** is also growing. Japan intends to buy two AWAC aircraft while France plans to make an initial purchase of less costly E-2C airborne early warning aircraft. Many other nations seek to fill gaps in target acquisition capabilities by acquiring artillery locating radars and signals intelligence collection systems.

Prospects for Major Foreign Suppliers

Faced with these market conditions, a variety of factors will limit the competitiveness of NIS exporters. In spite of recent sales of Su-27 fighters to China and BMP-3 infantry fighting vehicles to the United Arab Emirates, Moscow has had little success in expanding its customer base beyond impoverished clients, such as Cuba and

The Terms of Trade

Customers in this buyer market for arms will push hard for barter arrangements, co-production, and technology transfer. Although suppliers in the NIS demand hard currency payment more frequently than did the former Soviet Union, many of Moscow's traditional customers have financial problems and will continue to seek barter deals and soft financing.

Even Middle Eastern and East Asian countries with substantial financial resources are negotiating to extract favorable terms from competing suppliers.

Oil barter and offsets. Middle Eastern oil producers increasingly request energy barter deals and offsetting investments as a way of partly recouping massive expenditures for arms.

Technology transfer. Industrializing nations—including China, South Korea, Singapore, and Taiwan—view arms purchases as a means to acquire new technologies and production capabilities.

Yemen, and cash customers with multibillion dollar arms debts, such as Iraq and Algeria.

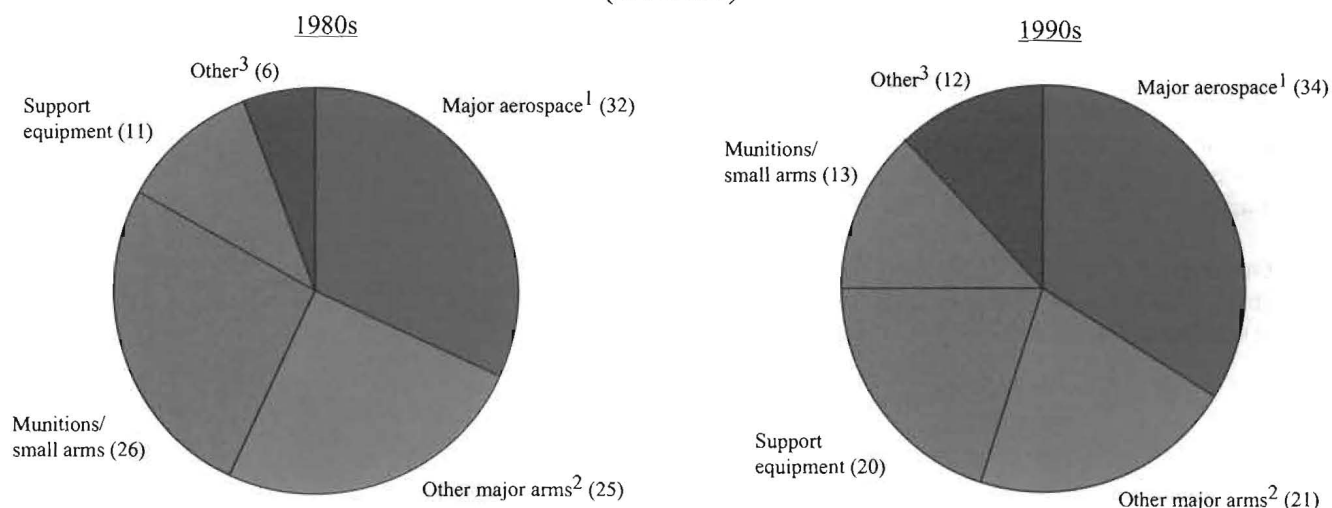
Both traditional customers for Soviet-style weapons and potential purchasers that now have predominantly Western inventories are concerned about:

- The logistic problems of switching to NIS equipment and the prospects of significantly diminished after-sales support when they can obtain comparable or better weapons from the West.
- The cessation of production of many types of equipment—including new arms—and spare parts.
- The ability of NIS exporters to provide offsets and arrange countertrade and payment mechanisms. For example, the chief of the Russian arms export agency recently told an interviewer that internal payment problems within the NIS were delaying arms deliveries to Iran.

Further aggravating these problems is a perception, reinforced during the Gulf War, that advanced Western arms are superior to Soviet-designed weapons.

Moscow's best sales prospects are for weapons systems and tactical missiles that are comparable with or more readily available than Western models. Prospective buyers include traditional customers such as India, countries

The Structure of the Arms Market (in Percent)



1 Combat aircraft, helicopters, SAM launchers; includes initial support packages.

2 Tanks, light armor, field artillery, warships; includes initial support packages.

3 Upgrades, services, ballistic missiles, advanced munitions

that lack access to Western arms such as Iran and Syria, and nations that seek to diversify their arms sources. China will be interested in acquiring limited numbers of major weapons, including more Su-27 fighters, as well as military technologies to improve its own arms.

French arms exports will probably fall this decade from the \$50 billion¹ sold in the 1980s. Escalating R&D costs and declining domestic demand are driving up prices for many systems. Prospective sales to East Asian customers, such as Taiwan, are not likely to compensate fully for the loss of Iraq, which bought about \$10 billion worth of French arms in the 1980s. Nevertheless, French sales of naval equipment, military electronics, and tactical missiles are likely to remain strong, especially in East Asia and the Persian Gulf. Furthermore, Spain and other nations that follow a "buy European" policy will look to Paris for SAMs while several countries in Europe and the Third World will likely outfit naval combatants with French antiship cruise missiles.

The United Kingdom, which exported more than \$35 billion¹ worth of military equipment in the 1980s, may sustain its level of sales. Saudi Arabia—which accounts for about one-half of British arms exports—annually delivers about \$3 billion worth of oil to the UK in payment for weapons and military construction, while Kuwait plans to give London contracts for major ground arms. As shipments to Latin America and Sub-Saharan Africa

continue to trail off, East Asian countries will account for a rising share of British arms exports over the decade. On the downside, declining European arms procurement and British reliance on the Saudi market raise questions about the UK's long-term ability to export a full range of major arms.

China—whose arms exports fell below \$1 billion in 1991—is not likely to boost sales in a market favoring suppliers of advanced weapons. The end of the Iran-Iraq war reduced demand for the unsophisticated equipment that formed the bulk of China's arms exports in the 1980s. Beijing, however, will sell limited amounts of inexpensive arms—including jet fighters—to customers such as Pakistan that cannot afford or lack access to more advanced systems. Potential Chinese willingness to meet the growing demand for ballistic missile technology or finished missiles could also provide some hard currency earnings.

The Outlook for Minor Suppliers

The smaller West European suppliers and Israel should continue to enjoy some success in sectors where they have been competitive in the past, such as naval systems, electronics, and aerospace.

- Germany has several billion dollars worth of agreements to sell submarines and frigates to Australia, Greece, South Korea, and Turkey.

¹ Ministry of Defense figures.

- Israel is likely to expand sales of such proven systems as precision-guided weapons and Israeli firms will be competitive in the growing market for upgrading fighter aircraft.
- Sweden is intensifying its marketing of naval equipment, especially in East Asia. Stockholm, for example, will deliver materials for Type 471 submarines to Australia under a co-production contract.

Other West European suppliers will find limited demand for medium and low technology items, such as armored vehicles and munitions.

East European and Third World suppliers—which offer mainly obsolescent major arms, infantry weapons, and basic munitions—face the worst sales prospects. Competition for sales of these items is increasing as European nations that are reducing their forces seek to sell surplus materiel. Already, between 1987 and 1991 aggregate East European arms exports fell by two-thirds to less than \$1.5 billion.

Country Rankings: 1991

As a statistical aid, the following tables show 142 countries of the world listed in descending order of their value for each of 7 absolute variables and 10 relative variables (or ratios) in 1991. The variable values are taken or derived from Main Statistical Tables I and II, below.

Users of these rankings should be aware that they are based on data whose accuracy is in many cases qualified, as indicated by markings in Tables I and II signifying "not available," "rough estimate," or "estimate." These tables and the Statistical Notes should be consulted in interpreting the rankings.

Entries marked "NA" or shown in shaded type are based on very rough estimates. While it is considered preferable to include countries with such data in the rankings rather than to omit them, these estimates should be understood as having a wide range of likely error above and below the estimated value, extending in most cases well beyond the level of neighboring countries in the rankings.

The variables, their abbreviations, and their data units are as follows:

Military expenditures (ME).....	Millions of dollars
Armed forces (AF).....	Thousands
Arms imports (AI).....	Millions of dollars
Arms exports (AE).....	Millions of dollars
Gross national product (GNP).....	Millions of dollars
Central government expenditures (CGE).....	Millions of dollars
Population (POP).....	Millions
ME/GNP.....	Percent
ME/CGE.....	Percent
ME per capita (ME/POP).....	Dollars
ME per soldier (ME/AF).....	Dollars
Armed forces per 1,000 people (AF/POP).....	Soldiers
Arms imports / total imports (AI/II).....	Percent
Arms exports / total exports (AE/TE).....	Percent
GNP per capita (GNP/POP).....	Dollars
CGE per capita (CGE/POP).....	Dollars
CGE/GNP.....	Percent

An "index" listing the countries alphabetically and showing each country's rank number for each variable may be found on the final pages of this set of tables. The symbol "+" indicates that the country's value for that variable is zero and the rank is actually a tie for last place.

NOTE: All monetary values are in 1991 dollars; for most countries, national currencies were converted at average annual 1991 exchange rates. It should be noted that country rankings can shift considerably from edition to edition due to changes in exchange rates and in the base year for conversion used in each edition. For a discussion of the impact of shifts in exchange rate base years, see *WMEAT 1988*, Statistical Notes, Conversion of National Currencies to Dollars.

Country Rank in 1991, by Variable

Military Expenditures (ME) (millions of dollars)

1	United States	280300	72	Cyprus	415
2	Soviet Union	260000	73	Afghanistan	NA
3	China - Mainland	51040	74	Zimbabwe	316
4	United Kingdom	43200	75	Bangladesh	312
5	France	42430	76	Bahrain	278
6	Germany	39520	77	Nigeria	244
7	Saudi Arabia	35510	78	Ecuador	232
8	Japan	32560	79	Kenya	218
9	Italy	24340	80	Uruguay	198
10	Kuwait	16740	81	El Salvador	171
11	Canada	11510	82	Lebanon	NA
12	Korea, South	10580	83	Cameroon	168
13	China - Taiwan	9748	84	Gabon	NA
14	Iraq	9459	85	Zaire	NA
15	Spain	9115	86	Botswana	159
16	Australia	7399	87	Mozambique	144
17	Poland	7362	88	Albania	NA
18	Netherlands	7246	89	Ivory Coast	131
19	India	7189	90	Tanzania	NA
20	Yugoslavia	NA	91	Bolivia	117
21	Sweden	6432	92	Rwanda	117
22	Turkey	5671	93	Mongolia	113
23	Iran	5647	94	Senegal	108
24	Brazil	5295	95	Luxembourg	108
25	Israel	4992	96	Paraguay	107
26	United Arab Emir.	4900	97	Cambodia	NA
27	Korea, North	4660	98	Burkina Faso	100
28	Belgium	4624	99	Papua New Guinea	97
29	Switzerland	4528	100	Guatemala	89
30	Syria	4526	101	Congo	NA
31	South Africa	3839	102	Uganda	78
32	Greece	3807	103	Zambia	NA
33	Romania	3747	104	Suriname	75
34	Norway	3288	105	Nicaragua	70
35	Czechoslovakia	2804	106	Chad	67
36	Pakistan	2672	107	Dominican Republic	53
37	Denmark	2672	108	Haiti	52
38	Libya	2670	109	Liberia	NA
39	Finland	2454	110	Togo	47
40	Argentina	2449	111	Honduras	47
41	Thailand	2438	112	Mali	NA
42	Sudan	2157	113	Lesotho	NA
43	Portugal	2115	114	Laos	NA
44	Singapore	2107	115	Guinea	37
45	Venezuela	1900	116	Ghana	37
46	Indonesia	1732	117	Mauritania	NA
47	Qatar	NA	118	Benin	NA
48	Austria	1667	119	Cape Verde	NA
49	Malaysia	1651	120	Fiji	32
50	Ethiopia	NA	121	Madagascar	30
51	Bulgaria	1464	122	Nepal	30
52	Oman	1450	123	Niger	30
53	Burma	1280	124	Trinidad & Tobago	29
54	Hungary	1261	125	Burundi	28
55	Mexico	1185	126	Jamaica	25
56	Morocco	1147	127	Malawi	24
57	Cuba	NA	128	Malta	22
58	Yemen	1061	129	Central African Rep.	NA
59	Colombia	1037	130	Costa Rica	20
60	Egypt	1022	131	Somalia	NA
61	Chile	1010	132	Swaziland	12
62	Philippines	947	133	Sierra Leone	12
63	Algeria	730	134	Mauritius	10
64	Vietnam	720	135	Barbados	NA
65	New Zealand	559	136	Guinea-Bissau	NA
66	Ireland	511	137	Equatorial Guinea	NA
67	Peru	506	138	Guyana	3
68	Angola	NA	139	Gambia, The	NA
69	Tunisia	433	140	Sao Tome & Principe	NA
70	Sri Lanka	432	141	Iceland	0
71	Jordan	426	142	Panama	0

Armed Forces (thousands)

1	China - Mainland	3200	72	Albania	48
2	Soviet Union	3000	73	Somalia	NA
3	United States	2115	74	Zimbabwe	45
4	India	1200	75	Austria	44
5	Korea, North	1200	76	Guatemala	43
6	Vietnam	1000	77	Norway	41
7	Turkey	804	78	Tanzania	40
8	Pakistan	803	79	Lebanon	36
9	Korea, South	750	80	Nepal	35
10	France	542	81	Tunisia	35
11	Iraq	475	82	Bolivia	33
12	Italy	473	83	Finland	32
13	Iran	465	84	Mongolia	31
14	Germany	457	85	Denmark	30
15	Egypt	434	86	Rwanda	30
16	China - Taiwan	424	87	Oman	29
17	Syria	408	88	Uruguay	25
18	Poland	305	89	Cameroon	24
19	United Kingdom	301	90	Switzerland	22
20	Cuba	297	91	Dominican Republic	21
21	Brazil	295	92	Madagascar	21
22	Indonesia	285	93	Kenya	20
23	Thailand	283	94	Nicaragua	20
24	Japan	250	95	Senegal	18
25	Spain	246	96	Honduras	17
26	Greece	205	97	Mauritania	17
27	Romania	201	98	Paraguay	16
28	Burma	200	99	Zambia	16
29	Morocco	195	100	Guinea	15
30	Saudi Arabia	191	101	Ivory Coast	15
31	Israel	190	102	Ireland	13
32	Mexico	175	103	Mali	13
33	Yugoslavia	169	104	Burundi	12
34	Czechoslovakia	154	105	Guinea-Bissau	12
35	Angola	150	106	Panama	12
36	Yemen	127	107	Qatar	11
37	Algeria	126	108	New Zealand	11
38	Peru	123	109	Burkina Faso	10
39	Ethiopia	120	110	Cyprus	10
40	Malaysia	114	111	Gabon	10
41	Philippines	112	112	Kuwait	10
42	Colombia	110	113	Congo	9
43	Bulgaria	107	114	Ghana	9
44	Netherlands	104	115	Bahrain	8
45	Bangladesh	102	116	Costa Rica	8
46	Belgium	101	117	Haiti	8
47	Jordan	100	118	Malawi	8
48	Cambodia	99	119	Togo	8
49	Nigeria	94	120	Benin	7
50	Chile	90	121	Botswana	6
51	Sri Lanka	88	122	Fiji	5
52	Hungary	87	123	Liberia	5
53	Canada	86	124	Niger	5
54	Libya	86	125	Sierra Leone	5
55	Portugal	86	126	Central African Rep.	4
56	South Africa	80	127	Suriname	4
57	Venezuela	73	128	Papua New Guinea	4
58	Argentina	70	129	Guyana	3
59	Australia	67	130	Jamaica	3
60	United Arab Emir.	66	131	Swaziland	3
61	Mozambique	65	132	Gambia, The	2
62	Sudan	65	133	Lesotho	2
63	Sweden	63	134	Malta	2
64	El Salvador	60	135	Trinidad & Tobago	2
65	Uganda	60	136	Cape Verde	1
66	Zaire	60	137	Equatorial Guinea	1
67	Afghanistan	55	138	Luxembourg	1
68	Laos	55	139	Mauritius	1
69	Singapore	55	140	Sao Tome & Principe	1
70	Ecuador	53	141	Barbados	0
71	Chad	50	142	Iceland	0

Country Rank In 1991, by Variable — continued

Arms Exports (millions of dollars)				Arms Imports (millions of dollars)							
1	United States	9700	72	Gambia, The	0	1	Saudi Arabia	6900	72	Ecuador	10
2	Soviet Union	6600	73	Ghana	0	2	Afghanistan	1900	73	Kenya	10
3	United Kingdom	3700	74	Greece	0	3	United States	1900	74	Laos	10
4	Germany	1300	75	Guatemala	0	4	Iran	1600	75	Mozambique	10
5	France	1100	76	Guinea	0	5	India	800	76	Peru	10
6	China - Mainland	925	77	Guinea-Bissau	0	6	Turkey	800	77	Tanzania	10
7	Canada	420	78	Guyana	0	7	Japan	775	78	Uganda	10
8	Israel	380	79	Haiti	0	8	Korea, South	775	79	Zambia	10
9	Czechoslovakia	270	80	Honduras	0	9	Syria	650	80	Botswana	5
10	Korea, North	160	81	Iceland	0	10	Portugal	550	81	Burundi	5
11	Netherlands	120	82	India	0	11	Cuba	525	82	Finland	5
12	Italy	100	83	Iraq	0	12	Egypt	525	83	Guinea	5
13	Poland	90	84	Ivory Coast	0	13	United Kingdom	525	84	Guinea-Bissau	5
14	Brazil	70	85	Jamaica	0	14	Israel	460	85	Jamaica	5
15	Bulgaria	70	86	Jordan	0	15	China - Taiwan	450	86	Lebanon	5
16	Spain	60	87	Kenya	0	16	Germany	440	87	Nigeria	5
17	Switzerland	50	88	Kuwait	0	17	Thailand	430	88	Panama	5
18	Hungary	40	89	Laos	0	18	Burma	370	89	Uruguay	5
19	Australia	30	90	Lebanon	0	19	Libya	370	90	Zimbabwe	5
20	Belgium	30	91	Lesotho	0	20	Netherlands	360	91	Albania	0
21	Iran	30	92	Liberia	0	21	China - Mainland	240	92	Barbados	0
22	Korea, South	30	93	Luxembourg	0	22	Australia	210	93	Benin	0
23	Libya	30	94	Madagascar	0	23	Belgium	210	94	Bulgaria	0
24	Singapore	30	95	Malawi	0	24	Canada	200	95	Burkina Faso	0
25	Yugoslavia	30	96	Malaysia	0	25	Norway	200	96	Cameroon	0
26	Mexico	20	97	Mali	0	26	Vietnam	200	97	Cape Verde	0
27	South Africa	20	98	Malta	0	27	Yemen	200	98	Central African Rep.	0
28	Sweden	20	99	Mauritania	0	28	Italy	180	99	Congo	0
29	Turkey	20	100	Mauritius	0	29	Romania	170	100	Costa Rica	0
30	Austria	10	101	Mongolia	0	30	Spain	150	101	Cyprus	0
31	Denmark	10	102	Morocco	0	31	United Arab Emir.	150	102	Dominican Republic	0
32	Ireland	10	103	Mozambique	0	32	Venezuela	140	103	Equatorial Guinea	0
33	Japan	10	104	Nepal	0	33	France	130	104	Fiji	0
34	Norway	10	105	New Zealand	0	34	Greece	130	105	Gabon	0
35	Pakistan	10	106	Nicaragua	0	35	Pakistan	120	106	Gambia, The	0
36	Argentina	5	107	Niger	0	36	Singapore	120	107	Ghana	0
37	China - Taiwan	5	108	Nigeria	0	37	Switzerland	110	108	Guatemala	0
38	Indonesia	5	109	Oman	0	38	Algeria	100	109	Guyana	0
39	Afghanistan	0	110	Panama	0	39	Korea, North	90	110	Haiti	0
40	Albania	0	111	Papua New Guinea	0	40	South Africa	90	111	Hungary	0
41	Algeria	0	112	Paraguay	0	41	Sudan	90	112	Iceland	0
42	Angola	0	113	Peru	0	42	Ethiopia	80	113	Iraq	0
43	Bahrain	0	114	Philippines	0	43	Philippines	80	114	Ireland	0
44	Bangladesh	0	115	Portugal	0	44	Chile	70	115	Ivory Coast	0
45	Barbados	0	116	Qatar	0	45	Indonesia	70	116	Lesotho	0
46	Benin	0	117	Romania	0	46	Colombia	60	117	Liberia	0
47	Bolivia	0	118	Rwanda	0	47	Jordan	60	118	Madagascar	0
48	Botswana	0	119	Sao Tome & Principe	0	48	Bahrain	50	119	Malawi	0
49	Burkina Faso	0	120	Saudi Arabia	0	49	Czechoslovakia	50	120	Mali	0
50	Burma	0	121	Senegal	0	50	Denmark	50	121	Malta	0
51	Burundi	0	122	Sierra Leone	0	51	El Salvador	50	122	Mauritania	0
52	Cambodia	0	123	Somalia	0	52	Kuwait	50	123	Mauritius	0
53	Cameroon	0	124	Sri Lanka	0	53	Sri Lanka	50	124	Mongolia	0
54	Cape Verde	0	125	Sudan	0	54	Bangladesh	40	125	Nepal	0
55	Central African Rep.	0	126	Suriname	0	55	Cambodia	40	126	Nicaragua	0
56	Chad	0	127	Swaziland	0	56	Mexico	40	127	Niger	0
57	Chile	0	128	Syria	0	57	New Zealand	40	128	Papua New Guinea	0
58	Colombia	0	129	Tanzania	0	58	Oman	40	129	Paraguay	0
59	Congo	0	130	Thailand	0	59	Sweden	40	130	Poland	0
60	Costa Rica	0	131	Togo	0	60	Angola	30	131	Rwanda	0
61	Cuba	0	132	Trinidad & Tobago	0	61	Malaysia	30	132	Sao Tome & Principe	0
62	Cyprus	0	133	Tunisia	0	62	Morocco	30	133	Senegal	0
63	Dominican Republic	0	134	Uganda	0	63	Brazil	20	134	Sierra Leone	0
64	Ecuador	0	135	United Arab Emir.	0	64	Honduras	20	135	Somalia	0
65	Egypt	0	136	Uruguay	0	65	Luxembourg	20	136	Soviet Union	0
66	El Salvador	0	137	Venezuela	0	66	Qatar	20	137	Suriname	0
67	Equatorial Guinea	0	138	Vietnam	0	67	Tunisia	20	138	Swaziland	0
68	Ethiopia	0	139	Yemen	0	68	Argentina	10	139	Togo	0
69	Fiji	0	140	Zaire	0	69	Austria	10	140	Trinidad & Tobago	0
70	Finland	0	141	Zambia	0	70	Bolivia	10	141	Yugoslavia	0
71	Gabon	0	142	Zimbabwe	0	71	Chad	10	142	Zaire	0

Country Rank in 1991, by Variable — continued

GNP (millions of dollars)				CGE (millions of dollars)							
1	United States	5695000	72	Oman	9175	1	United States	1432000	72	Kenya	2390
2	Japan	3386000	73	Sri Lanka	9032	2	Soviet Union	NA	73	Zimbabwe	2265
3	Soviet Union	2531000	74	Zaire	NA	3	Italy	571500	74	Ethiopia	2240
4	Germany	1586000	75	Ivory Coast	8468	4	Japan	531000	75	Sudan	2100
5	China - Mainland	1528000	76	Kenya	7832	5	France	526100	76	Cameroon	NA
6	France	1191000	77	Qatar	7390	6	Germany	523600	77	Iceland	1900
7	Italy	1134000	78	Yemen	7340	7	United Kingdom	380100	78	Cyprus	1840
8	United Kingdom	1002000	79	Dominican Republic	6832	8	China - Mainland	293400	79	Vietnam	1800
9	Canada	562500	80	Ethiopia	6508	9	Brazil	NA	80	Uruguay	1770
10	Spain	522100	81	Angola	NA	10	Netherlands	152700	81	Panama	1700
11	Brazil	404100	82	Ghana	6295	11	Canada	146200	82	Trinidad & Tobago	1700
12	Netherlands	290200	83	Iceland	6236	12	Spain	130000	83	Botswana	NA
13	Australia	287700	84	Paraguay	6214	13	Sweden	100800	84	Angola	NA
14	Korea, South	280900	85	El Salvador	5858	14	Belgium	98980	85	Gabon	1676
15	Mexico	275700	86	Cyprus	5822	15	Australia	78290	86	Senegal	NA
16	India	263100	87	Zimbabwe	5698	16	Austria	66030	87	Jordan	1600
17	Switzerland	241600	88	Senegal	5582	17	Korea, South	54970	88	Ecuador	1562
18	Sweden	230400	89	Costa Rica	5395	18	Norway	52700	89	Albania	NA
19	Belgium	195600	90	Panama	5221	19	Denmark	50000	90	Costa Rica	1402
20	China - Taiwan	187300	91	Bolivia	4875	20	India	43970	91	Papua New Guinea	NA
21	Austria	162200	92	Trinidad & Tobago	4842	21	Saudi Arabia	NA	92	Lebanon	NA
22	Poland	160100	93	Lebanon	NA	22	Greece	41680	93	Suriname	NA
23	Argentina	129600	94	Gabon	4363	23	Finland	41500	94	Paraguay	1200
24	Denmark	125100	95	Jordan	3808	24	Mexico	39510	95	Malta	NA
25	Finland	120400	96	Bahrain	3636	25	Hungary	NA	96	Bahrain	1069
26	Saudi Arabia	118000	97	Zambia	NA	26	Portugal	33900	97	Zaire	NA
27	Indonesia	111000	98	Jamaica	3304	27	Romania	32940	98	Tanzania	946
28	Czechoslovakia	108500	99	Papua New Guinea	3258	28	South Africa	32830	99	Bolivia	918
29	Yugoslavia	NA	100	Botswana	3252	29	Turkey	31740	100	Ghana	NA
30	South Africa	104500	101	Afghanistan	NA	30	China - Taiwan	30100	101	Guatemala	807
31	Turkey	104500	102	Uganda	2940	31	Israel	24300	102	Congo	NA
32	Norway	103200	103	Honduras	2792	32	Indonesia	23400	103	Jamaica	736
33	Iran	99760	104	Guinea	2771	33	Switzerland	23390	104	Zambia	NA
34	Romania	94190	105	Nepal	2769	34	Kuwait	NA	105	Dominican Republic	722
35	Thailand	91920	106	Burkina Faso	2741	35	Iran	22700	106	El Salvador	719
36	Greece	69120	107	Albania	2700	36	Poland	22400	107	Guinea	NA
37	Portugal	65080	108	Mauritius	2680	37	Korea, North	NA	108	Mauritius	652
38	Israel	61670	109	Malta	2647	38	Czechoslovakia	16180	109	Mali	NA
39	Hungary	59260	110	Congo	2610	39	New Zealand	15920	110	Malawi	551
40	Venezuela	52670	111	Haiti	2596	40	Ireland	15600	111	Barbados	540
41	Peru	46660	112	Tanzania	2576	41	Thailand	14370	112	Honduras	510
42	Philippines	45630	113	Madagascar	2506	42	Bulgaria	NA	113	Nepal	504
43	Malaysia	45050	114	Mali	2414	43	Malaysia	13740	114	Nicaragua	499
44	Pakistan	43600	115	Mongolia	2282	44	Algeria	NA	115	Niger	NA
45	Singapore	40900	116	Niger	2266	45	Libya	NA	116	Laos	NA
46	Algeria	40690	117	Malawi	2135	46	Cuba	NA	117	Chad	403
47	New Zealand	40500	118	Suriname	1957	47	Egypt	NA	118	Madagascar	403
48	Colombia	39930	119	Benin	1855	48	Pakistan	10840	119	Fiji	380
49	Ireland	39030	120	Nicaragua	1736	49	Venezuela	10420	120	Liberia	NA
50	Bulgaria	36900	121	Barbados	1722	50	Argentina	9429	121	Haiti	NA
51	United Arab Emir.	31360	122	Togo	1594	51	Burma	9300	122	Uganda	356
52	Libya	30620	123	Rwanda	1572	52	Philippines	8994	123	Lesotho	354
53	Egypt	29930	124	Fiji	1464	53	Iraq	NA	124	Togo	NA
54	Nigeria	29670	125	Chad	1291	54	Yugoslavia	NA	125	Swaziland	304
55	Chile	29500	126	Central African Rep.	1236	55	Nigeria	NA	126	Burkina Faso	NA
56	Sudan	27850	127	Burundi	1147	56	Singapore	8341	127	Mozambique	NA
57	Cuba	26950	128	Lesotho	1106	57	Chile	8300	128	Mauritania	NA
58	Morocco	26540	129	Mozambique	1103	58	Syria	7500	129	Mongolia	NA
59	Syria	25230	130	Mauritania	1071	59	Morocco	NA	130	Rwanda	NA
60	Korea, North	23300	131	Laos	1022	60	Colombia	5049	131	Burundi	205
61	Bangladesh	22700	132	Somalia	NA	61	Luxembourg	4552	132	Cape Verde	NA
62	Burma	22200	133	Liberia	NA	62	Tunisia	4349	133	Cambodia	NA
63	Kuwait	16380	134	Cambodia	930	63	Peru	4096	134	Central African Rep.	193
64	Vietnam	15000	135	Swaziland	900	64	Oman	4080	135	Benin	NA
65	Luxembourg	12680	136	Sierra Leone	519	65	Ivory Coast	NA	136	Guyana	138
66	Iraq	12640	137	Gambia, The	332	66	United Arab Emir.	3837	137	Gambia, The	NA
67	Tunisia	12540	138	Cape Verde	305	67	Yemen	3752	138	Guinea-Bissau	NA
68	Ecuador	10910	139	Guyana	278	68	Bangladesh	3700	139	Somalia	NA
69	Cameroon	10400	140	Guinea-Bissau	231	69	Qatar	3200	140	Sierra Leone	NA
70	Uruguay	9245	141	Equatorial Guinea	138	70	Afghanistan	NA	141	Equatorial Guinea	NA
71	Guatemala	9180	142	Sao Tome & Principe	46	71	Sri Lanka	2889	142	Sao Tome & Principe	NA

Country Rank in 1991, by Variable — continued

Population (millions)				ME / GNP (percent)							
1	China - Mainland	1151.5	72	Angola	8.7	1	Kuwait	102.2	72	Sweden	2.8
2	India	869.5	73	Sweden	8.6	2	Iraq	75.8	73	Kenya	2.8
3	Soviet Union	293.0	74	Zambia	8.4	3	Saudi Arabia	30.1	74	India	2.7
4	United States	252.5	75	Mali	8.4	4	Ethiopia	NA	75	Thailand	2.6
5	Indonesia	192.4	76	Tunisia	8.3	5	Qatar	NA	76	Uganda	2.6
6	Brazil	155.4	77	Senegal	8.0	6	Korea, North	20.0	77	Colombia	2.6
7	Japan	124.0	78	Rwanda	7.9	7	Syria	17.9	78	Czechoslovakia	2.6
8	Nigeria	122.5	79	Austria	7.8	8	Oman	15.8	79	Australia	2.6
9	Pakistan	118.2	80	Niger	7.8	9	United Arab Emir.	15.6	80	Guinea-Bissau	NA
10	Bangladesh	116.7	81	Guinea	7.7	10	Yemen	14.4	81	Netherlands	2.5
11	Mexico	90.3	82	Dominican Republic	7.4	11	Afghanistan	NA	82	Germany	2.5
12	Germany	79.9	83	Bolivia	7.1	12	Mozambique	13.0	83	Bolivia	2.4
13	Vietnam	67.6	84	Cambodia	7.1	13	Jordan	11.2	84	Burundi	2.4
14	Philippines	65.8	85	Somalia	7.1	14	Cape Verde	NA	85	Belgium	2.4
15	Iran	59.5	86	Switzerland	6.8	15	Cambodia	NA	86	Sierra Leone	2.3
16	Turkey	58.4	87	Haiti	6.3	16	Soviet Union	10.3	87	Zambia	NA
17	Italy	57.8	88	Burundi	5.8	17	Libya	8.7	88	Fiji	2.2
18	United Kingdom	57.6	89	El Salvador	5.4	18	Israel	8.1	89	Italy	2.1
19	France	57.0	90	Denmark	5.1	19	Sudan	7.7	90	Uruguay	2.1
20	Thailand	56.8	91	Chad	5.1	20	Angola	NA	91	Denmark	2.1
21	Egypt	55.1	92	Finland	5.0	21	Bahrain	7.6	92	Hungary	2.1
22	Ethiopia	52.6	93	Honduras	4.9	22	Rwanda	7.5	93	Ecuador	2.1
23	Korea, South	43.7	94	Benin	4.8	23	Cyprus	7.1	94	Philippines	2.1
24	Burma	41.8	95	Paraguay	4.8	24	Yugoslavia	NA	95	Canada	2.0
25	South Africa	40.6	96	Israel	4.5	25	Pakistan	6.1	96	Finland	2.0
26	Spain	39.0	97	Sierra Leone	4.4	26	Burma	5.8	97	Haiti	2.0
27	Poland	38.2	98	Libya	4.3	27	Iran	5.7	98	Senegal	1.9
28	Zaire	37.8	99	Laos	4.3	28	Zimbabwe	5.5	99	Benin	NA
29	Colombia	33.6	100	Norway	4.3	29	Greece	5.5	100	Mali	NA
30	Argentina	32.5	101	Papua New Guinea	3.9	30	Turkey	5.4	101	Argentina	1.9
31	Sudan	27.4	102	Togo	3.8	31	China - Taiwan	5.2	102	Switzerland	1.9
32	Canada	27.0	103	Nicaragua	3.8	32	Chad	5.2	103	Zaire	NA
33	Tanzania	26.9	104	Ireland	3.5	33	Singapore	5.1	104	Algeria	1.8
34	Morocco	26.2	105	Jordan	3.4	34	Liberia	NA	105	Spain	1.7
35	Algeria	26.0	106	Lebanon	3.4	35	Albania	NA	106	Paraguay	1.7
36	Kenya	25.2	107	New Zealand	3.3	36	Mongolia	4.9	107	Central African Rep.	NA
37	Yugoslavia	23.9	108	Albania	3.3	37	United States	4.9	108	Honduras	1.7
38	Romania	23.2	109	Uruguay	3.1	38	Botswana	4.9	109	Cameroon	1.6
39	Peru	22.3	110	Costa Rica	3.1	39	Vietnam	4.8	110	Indonesia	1.6
40	Korea, North	21.8	111	Central African Rep.	2.9	40	Sri Lanka	4.8	111	Ivory Coast	1.5
41	China - Taiwan	20.7	112	Singapore	2.8	41	Tanzania	NA	112	Somalia	NA
42	Venezuela	20.2	113	Jamaica	2.5	42	Poland	4.6	113	Swaziland	1.4
43	Nepal	19.6	114	Panama	2.5	43	Morocco	4.3	114	New Zealand	1.4
44	Uganda	18.7	115	United Arab Emir.	2.4	44	United Kingdom	4.3	115	Bangladesh	1.4
45	Malaysia	18.0	116	Congo	2.3	45	Cuba	NA	116	Guinea	1.3
46	Iraq	17.9	117	Mongolia	2.2	46	Lesotho	NA	117	Niger	1.3
47	Sri Lanka	17.4	118	Liberia	2.1	47	Nicaragua	4.0	118	Brazil	1.3
48	Australia	17.3	119	Mauritania	2.0	48	Laos	NA	119	Ireland	1.2
49	Saudi Arabia	16.0	120	Lesotho	1.8	49	Romania	4.0	120	Madagascar	1.2
50	Afghanistan	15.7	121	Oman	1.5	50	Bulgaria	4.0	121	Malawi	1.1
51	Czechoslovakia	15.7	122	Trinidad & Tobago	1.3	51	Suriname	3.8	122	Peru	1.1
52	Ghana	15.7	123	Botswana	1.3	52	Korea, South	3.8	123	Nepal	1.1
53	Netherlands	15.0	124	Gabon	1.1	53	South Africa	3.7	124	Guyana	1.0
54	Mozambique	14.9	125	Mauritius	1.1	54	Malaysia	3.7	125	Austria	1.0
55	Chile	13.3	126	Guinea-Bissau	1.0	55	Gabon	NA	126	Guatemala	1.0
56	Syria	13.2	127	Swaziland	.9	56	Burkina Faso	3.6	127	Japan	1.0
57	Ivory Coast	13.0	128	Gambia, The	.9	57	Venezuela	3.6	128	Luxembourg	.8
58	Cameroon	12.2	129	Kuwait	.8	58	France	3.6	129	Malta	.8
59	Madagascar	12.2	130	Fiji	.7	59	Lebanon	NA	130	Nigeria	.8
60	Cuba	10.7	131	Guyana	.7	60	Tunisia	3.4	131	Dominican Republic	.8
61	Zimbabwe	10.7	132	Cyprus	.7	61	Chile	3.4	132	Jamaica	.7
62	Ecuador	10.7	133	Bahrain	.5	62	Mauritania	NA	133	Trinidad & Tobago	.6
63	Portugal	10.4	134	Qatar	.5	63	Egypt	3.4	134	Ghana	.6
64	Hungary	10.3	135	Suriname	.4	64	China - Mainland	3.3	135	Barbados	NA
65	Yemen	10.1	136	Luxembourg	.4	65	Portugal	3.2	136	Mexico	.4
66	Greece	10.0	137	Cape Verde	.4	66	Congo	NA	137	Mauritius	.4
67	Belgium	10.0	138	Equatorial Guinea	.4	67	Norway	3.2	138	Costa Rica	.4
68	Malawi	9.4	139	Malta	.3	68	Equatorial Guinea	NA	139	Gambia, The	NA
69	Burkina Faso	9.4	140	Iceland	.3	69	Togo	3.0	140	Sao Tome & Principe	NA
70	Guatemala	9.3	141	Barbados	.2	70	Papua New Guinea	3.0	141	Iceland	0
71	Bulgaria	8.9	142	Sao Tome & Principe	.1	71	El Salvador	2.9	142	Panama	0

Country Rank in 1991, by Variable — continued

ME / CGE (percent)					ME Per Capita (dollars)						
1	United Arab Emir.	127.7	72	United Kingdom	11.4	1	Kuwait	19940.0	72	Congo	NA
2	Iraq	NA	73	Uruguay	11.2	2	Qatar	NA	73	Brazil	34.1
3	Sudan	102.7	74	Central African Rep.	NA	3	Saudi Arabia	2151.5	74	El Salvador	31.3
4	Saudi Arabia	NA	75	Guatemala	11.0	4	United Arab Emir.	2052.6	75	Colombia	30.8
5	Yugoslavia	NA	76	Congo	NA	5	United States	1110.1	76	Burma	30.6
6	Kuwait	NA	77	Zambia	NA	6	Israel	1099.9	77	Zimbabwe	29.5
7	Ethiopia	NA	78	Philippines	10.5	7	Oman	945.5	78	Ethiopia	NA
8	Syria	60.3	79	Bulgaria	NA	8	Soviet Union	887.2	79	Algeria	28.1
9	Mozambique	NA	80	Laos	NA	9	Norway	769.2	80	Afghanistan	NA
10	Qatar	NA	81	Tunisia	9.9	10	Singapore	764.4	81	Lesotho	NA
11	Rwanda	NA	82	Cuba	NA	11	Sweden	750.8	82	Sri Lanka	24.8
12	Cambodia	NA	83	Gabon	NA	12	United Kingdom	749.8	83	Papua New Guinea	24.7
13	Mongolia	NA	84	Albania	NA	13	France	744.4	84	Liberia	NA
14	Soviet Union	NA	85	Australia	9.4	14	Switzerland	667.0	85	Peru	22.7
15	Vietnam	40.0	86	Botswana	NA	15	Libya	613.4	86	Trinidad & Tobago	22.6
16	Oman	35.5	87	Greece	9.1	16	Cyprus	584.6	87	Pakistan	22.6
17	Burkina Faso	NA	88	Kenya	9.1	17	Iraq	527.9	88	Paraguay	22.3
18	Poland	32.9	89	Honduras	9.1	18	Bahrain	520.3	89	Ecuador	21.7
19	China - Taiwan	32.4	90	Egypt	NA	19	Denmark	518.6	90	Nicaragua	18.6
20	Angola	NA	91	Paraguay	8.9	20	Germany	494.3	91	Egypt	18.5
21	Yemen	28.3	92	Fiji	8.5	21	Finland	491.7	92	Mauritania	NA
22	Jordan	26.6	93	Bangladesh	8.4	22	Netherlands	482.2	93	Bolivia	16.4
23	Korea, North	NA	94	Cameroon	NA	23	China - Taiwan	471.8	94	Rwanda	14.8
24	Bahrain	26.0	95	France	8.1	24	Belgium	462.9	95	Philippines	14.4
25	Argentina	26.0	96	Mali	NA	25	Australia	427.1	96	Cambodia	NA
26	Singapore	25.3	97	Canada	7.9	26	Canada	426.6	97	Swaziland	14.0
27	Iran	24.9	98	Germany	7.5	27	Italy	421.0	98	Cameroon	13.7
28	Pakistan	24.6	99	Madagascar	7.5	28	Greece	378.8	99	Senegal	13.6
29	El Salvador	23.8	100	Dominican Republic	7.4	29	Syria	342.3	100	Mexico	13.1
30	Benin	NA	101	Indonesia	7.4	30	Yugoslavia	NA	101	Chad	13.0
31	Somalia	NA	102	Guinea-Bissau	NA	31	Luxembourg	277.5	102	Togo	12.4
32	Cyprus	22.5	103	Papua New Guinea	NA	32	Japan	262.5	103	Equatorial Guinea	NA
33	Uganda	21.7	104	Spain	7.0	33	Korea, South	242.1	104	Burkina Faso	10.7
34	Libya	NA	105	Senegal	NA	34	Spain	233.5	105	Vietnam	10.7
35	Israel	20.5	106	Niger	NA	35	Korea, North	213.6	106	Ivory Coast	10.1
36	Colombia	20.5	107	Sweden	6.4	36	Austria	213.4	107	Jamaica	9.9
37	Sierra Leone	NA	108	Portugal	6.2	37	Portugal	203.2	108	Mozambique	9.6
38	United States	19.6	109	Norway	6.2	38	Poland	192.5	109	Guatemala	9.5
39	Switzerland	19.4	110	Japan	6.1	39	Suriname	185.8	110	Laos	NA
40	Korea, South	19.2	111	Nepal	5.9	40	Czechoslovakia	178.7	111	Honduras	9.4
41	Venezuela	18.2	112	Finland	5.9	41	New Zealand	168.2	112	Zambia	NA
42	Turkey	17.9	113	Suriname	NA	42	Bulgaria	164.2	113	Mauritius	9.0
43	China - Mainland	17.4	114	Algeria	NA	43	Romania	161.7	114	Indonesia	9.0
44	Czechoslovakia	17.3	115	Denmark	5.3	44	Gabon	NA	115	Kenya	8.6
45	Thailand	17.0	116	Guinea	NA	45	Ireland	145.4	116	Haiti	8.3
46	Cape Verde	NA	117	Netherlands	4.7	46	Botswana	126.2	117	India	8.3
47	Zaire	NA	118	Belgium	4.7	47	Jordan	124.8	118	Benin	NA
48	Chad	16.5	119	Ghana	NA	48	Hungary	121.9	119	Dominican Republic	7.2
49	India	16.3	120	Malawi	4.3	49	Yemen	105.4	120	Central African Rep.	NA
50	Equatorial Guinea	NA	121	Italy	4.3	50	Cuba	NA	121	Costa Rica	6.3
51	Morocco	NA	122	Swaziland	4.1	51	Turkey	97.1	122	Guinea-Bissau	NA
52	Sri Lanka	14.9	123	Hungary	NA	52	Iran	95.6	123	Mali	NA
53	Ecuador	14.8	124	New Zealand	3.5	53	South Africa	94.5	124	Guinea	4.8
54	Mauritania	NA	125	Jamaica	3.4	54	Venezuela	94.1	125	Burundi	4.7
55	Nicaragua	14.0	126	Ireland	3.3	55	Malaysia	91.8	126	Tanzania	NA
56	Haiti	NA	127	Ivory Coast	NA	56	Cape Verde	NA	127	Zaire	NA
57	Zimbabwe	14.0	128	Mexico	3.0	57	Sudan	78.6	128	Uganda	4.1
58	Burma	13.8	129	Nigeria	NA	58	Chile	75.9	129	Guyana	3.9
59	Burundi	13.4	130	Brazil	NA	59	Argentina	75.3	130	Niger	3.8
60	Togo	NA	131	Austria	2.5	60	Uruguay	63.5	131	Sierra Leone	2.7
61	Liberia	NA	132	Luxembourg	2.4	61	Malta	61.0	132	Bangladesh	2.7
62	Afghanistan	NA	133	Guyana	2.1	62	Angola	NA	133	Malawi	2.5
63	Tanzania	NA	134	Malta	NA	63	Tunisia	52.3	134	Madagascar	2.5
64	Lebanon	NA	135	Barbados	NA	64	Mongolia	50.2	135	Ghana	2.3
65	Bolivia	12.8	136	Trinidad & Tobago	1.7	65	Lebanon	NA	136	Somalia	NA
66	Lesotho	NA	137	Mauritius	1.5	66	China - Mainland	44.3	137	Nigeria	2.0
67	Peru	12.4	138	Costa Rica	1.4	67	Morocco	43.8	138	Nepal	1.5
68	Chile	12.2	139	Gambia, The	NA	68	Fiji	43.7	139	Gambia, The	NA
69	Malaysia	12.0	140	Sao Tome & Principe	NA	69	Thailand	42.9	140	Sao Tome & Principe	NA
70	South Africa	11.7	141	Iceland	0	70	Albania	NA	141	Iceland	0
71	Romania	11.4	142	Panama	0	71	Barbados	NA	142	Panama	0

Country Rank in 1991, by Variable — continued

ME Per Soldier (dollars)				Armed Forces Per 1000 Persons (soldiers)							
1	Kuwait	1674000	72	Philippines	8451	1	Korea, North	55.0	72	Algeria	4.8
2	Switzerland	205800	73	Yemen	8352	2	Israel	41.9	73	Panama	4.8
3	Saudi Arabia	185900	74	Jamaica	8245	3	Syria	30.9	74	Burma	4.8
4	Qatar	NA	75	Uruguay	7925	4	Jordan	29.3	75	Guyana	4.7
5	United Kingdom	143500	76	Afghanistan	NA	5	United Arab Emir.	27.6	76	Bolivia	4.6
6	Canada	133900	77	Turkey	7053	6	Cuba	27.6	77	Guatemala	4.6
7	United States	132500	78	Zimbabwe	7026	7	Iraq	26.5	78	Mozambique	4.4
8	Japan	130200	79	Cameroon	6982	8	Qatar	23.5	79	Tunisia	4.2
9	Australia	109000	80	Mexico	6773	9	China - Taiwan	20.5	80	Zimbabwe	4.2
10	Luxembourg	107800	81	Paraguay	6688	10	Greece	20.4	81	Australia	3.9
11	Sweden	102100	82	Haiti	6500	11	Singapore	19.9	82	Congo	3.9
12	Denmark	89060	83	Fiji	6496	12	Libya	19.8	83	Rwanda	3.8
13	Soviet Union	86670	84	Burma	6400	13	Oman	18.9	84	Ireland	3.7
14	Germany	86470	85	Indonesia	6079	14	Angola	17.3	85	Venezuela	3.6
15	Norway	80200	86	Senegal	5997	15	Korea, South	17.2	86	Afghanistan	3.5
16	France	78290	87	India	5991	16	Bahrain	15.0	87	Honduras	3.4
17	Finland	76700	88	Niger	5966	17	Vietnam	14.8	88	Swaziland	3.4
18	United Arab Emir.	74240	89	Togo	5929	18	Albania	14.7	88	Paraguay	3.3
19	Netherlands	69670	90	Morocco	5883	19	Cyprus	14.1	90	New Zealand	3.3
20	Italy	51450	91	Algeria	5796	20	Cambodia	13.9	91	Colombia	3.3
21	New Zealand	51300	92	Central African Rep.	NA	21	Mongolia	13.8	92	Switzerland	3.2
22	Oman	49990	93	Benin	NA	22	Turkey	13.8	93	Uganda	3.2
23	South Africa	47980	94	Sri Lanka	4909	23	Laos	12.7	94	Canada	3.2
24	Belgium	45790	95	Zambia	NA	24	Yemen	12.6	95	Dominican Republic	2.8
25	Cyprus	41480	96	Lebanon	NA	25	Bulgaria	12.0	96	China - Mainland	2.8
26	Yugoslavia	40680	97	Ecuador	4375	26	Kuwait	11.9	97	Equatorial Guinea	2.6
27	Ireland	39300	98	Jordan	4259	27	Guinea-Bissau	11.7	98	Cape Verde	2.6
28	Singapore	38310	99	Swaziland	4148	28	Saudi Arabia	11.6	99	Luxembourg	2.6
29	Austria	37890	100	Equatorial Guinea	NA	29	El Salvador	11.0	100	Costa Rica	2.6
30	Spain	37050	101	Peru	4115	30	Lebanon	10.6	101	Liberia	2.4
31	Argentina	34990	102	Ghana	4093	31	Soviet Union	10.2	102	Sudan	2.4
32	Bahrain	34780	103	Rwanda	3913	32	Belgium	10.1	103	Gambia, The	2.3
33	Cape Verde	NA	104	Korea, North	3883	33	Suriname	9.9	104	Ethiopia	2.3
34	Sudan	33180	105	Cuba	NA	34	Czechoslovakia	9.8	105	Senegal	2.3
35	Libya	31050	106	Mongolia	3635	35	Chad	9.7	106	Argentina	2.1
36	Israel	26270	107	Bolivia	3558	36	Norway	9.6	107	Togo	2.1
37	Venezuela	26030	108	Mali	NA	37	France	9.5	108	Burundi	2.1
38	Papua New Guinea	25450	109	Nicaragua	3500	38	Gabon	9.2	109	Japan	2.0
39	Portugal	24600	110	Angola	NA	39	Romania	8.7	110	South Africa	2.0
40	Botswana	24430	111	Pakistan	3328	40	Mauritania	8.5	111	Cameroon	2.0
41	Poland	24140	112	Tanzania	NA	41	Hungary	8.4	112	Mexico	1.9
42	Barbados	NA	113	Bangladesh	3059	42	United States	8.4	113	Guinea	1.9
43	China - Taiwan	22990	114	Malawi	2963	43	Portugal	8.3	114	Brazil	1.9
44	Lesotho	NA	115	El Salvador	2848	44	Italy	8.2	115	Zambia	1.9
45	Iraq	19910	116	Albania	NA	45	Uruguay	8.0	116	Nepal	1.8
46	Suriname	18770	117	Honduras	2738	46	Poland	8.0	117	Madagascar	1.7
47	Romania	18640	118	Zaire	NA	47	Egypt	7.9	118	Philippines	1.7
48	Greece	18570	119	Nigeria	2593	48	Iran	7.8	119	Zaire	1.6
49	Czechoslovakia	18210	120	Dominican Republic	2547	49	Sao Tome & Principe	7.8	120	Barbados	1.6
50	Brazil	17950	121	Guinea	2468	50	Morocco	7.4	121	Trinidad & Tobago	1.6
51	China - Mainland	15950	122	Costa Rica	2456	51	Sweden	7.3	122	Mali	1.5
52	Gabon	NA	123	Sierra Leone	2370	52	Yugoslavia	7.1	123	Tanzania	1.5
53	Trinidad & Tobago	14520	124	Egypt	2354	53	Netherlands	6.9	124	Indonesia	1.5
54	Hungary	14490	125	Burundi	2297	54	Pakistan	6.8	125	Benin	1.4
55	Malaysia	14480	126	Mozambique	2209	55	Chile	6.8	126	India	1.4
56	Korea, South	14100	127	Mauritania	NA	56	Fiji	6.7	127	Central African Rep.	1.3
57	Bulgaria	13680	128	Guatemala	2068	57	Somalia	NA	128	Haiti	1.3
58	Ethiopia	NA	129	Madagascar	1448	58	Finland	6.4	129	Jamaica	1.2
59	Tunisia	12360	130	Chad	1331	59	Malaysia	6.3	130	Ivory Coast	1.2
60	Iran	12140	131	Uganda	1292	60	Spain	6.3	131	Sierra Leone	1.1
61	Chile	11230	132	Cambodia	NA	61	Denmark	5.8	132	Lesotho	1.1
62	Syria	11090	133	Nepal	854	62	Germany	5.7	133	Burkina Faso	1.1
63	Kenya	10910	134	Guyana	824	63	Austria	5.6	134	Papua New Guinea	1.0
64	Malta	10880	135	Laos	NA	64	Malta	5.6	135	Mauritius	.9
65	Liberia	NA	136	Vietnam	720	65	Peru	5.5	136	Bangladesh	.9
66	Burkina Faso	9982	137	Gambia, The	NA	66	Nicaragua	5.3	137	Malawi	.8
67	Mauritius	9775	138	Guinea-Bissau	NA	67	United Kingdom	5.2	138	Kenya	.8
68	Colombia	9424	139	Somalia	NA	68	Botswana	5.2	139	Nigeria	.8
69	Congo	NA	140	Sao Tome & Principe	NA	69	Sri Lanka	5.0	140	Niger	.6
70	Ivory Coast	8703	141	Iceland	0	70	Thailand	5.0	141	Ghana	.6
71	Thailand	8615	142	Panama	0	71	Ecuador	5.0	142	Iceland	0

Country Rank in 1991, by Variable — continued

Arms Exports / Total Exports (percent)				Arms Imports / Total Imports (percent)			
1	Soviet Union	9.7		72	Gambia, The	0	
2	Korea, North	NA		73	Ghana	0	
3	Israel	3.2		74	Greece	0	
4	Czechoslovakia	2.5		75	Guatemala	0	
5	United States	2.3		76	Guinea	NA	
6	United Kingdom	2.0		77	Guinea-Bissau	NA	
7	China - Mainland	1.3		78	Guyana	0	
8	Bulgaria	NA		79	Haiti	0	
9	Poland	.6		80	Honduras	0	
10	France	.5		81	Iceland	0	
11	Hungary	.4		82	India	0	
12	Canada	.3		83	Iraq	NA	
13	Germany	.3		84	Ivory Coast	NA	
14	Libya	NA		85	Jamaica	0	
15	Brazil	.2		86	Jordan	0	
16	Yugoslavia	.2		87	Kenya	0	
17	Iran	.2		88	Kuwait	NA	
18	Pakistan	.2		89	Laos	NA	
19	Turkey	.2		90	Lebanon	0	
20	Spain	.1		91	Lesotho	0	
21	Netherlands	.1		92	Liberia	NA	
22	South Africa	.1		93	Luxembourg	NA	
23	Switzerland	.1		94	Madagascar	0	
24	Mexico	.1		95	Malawi	0	
25	Australia	.1		96	Malaysia	0	
26	Italy	.1		97	Mali	NA	
27	Singapore	.1		98	Malta	0	
28	Argentina	0		99	Mauritania	NA	
29	Korea, South	0		100	Mauritius	0	
30	Ireland	0		101	Mongolia	0	
31	Sweden	0		102	Morocco	0	
32	Norway	0		103	Mozambique	0	
33	Denmark	0		104	Nepal	0	
34	Belgium	0		105	New Zealand	0	
35	Austria	0		106	Nicaragua	0	
36	Indonesia	0		107	Niger	NA	
37	China - Taiwan	0		108	Nigeria	NA	
38	Japan	0		109	Oman	NA	
39	Afghanistan	0		110	Panama	0	
40	Albania	0		111	Papua New Guinea	0	
41	Algeria	0		112	Paraguay	0	
42	Angola	NA		113	Peru	0	
43	Bahrain	0		114	Philippines	0	
44	Bangladesh	0		115	Portugal	0	
45	Barbados	0		116	Qatar	NA	
46	Benin	0		117	Romania	0	
47	Bolivia	0		118	Rwanda	0	
48	Botswana	0		119	Sao Tome & Principe	NA	
49	Burkina Faso	NA		120	Saudi Arabia	0	
50	Burma	0		121	Senegal	0	
51	Burundi	0		122	Sierra Leone	0	
52	Cambodia	NA		123	Somalia	NA	
53	Cameroon	NA		124	Sri Lanka	0	
54	Cape Verde	NA		125	Sudan	0	
55	Central African Rep.	NA		126	Suriname	NA	
56	Chad	NA		127	Swaziland	0	
57	Chile	0		128	Syria	0	
58	Colombia	0		129	Tanzania	0	
59	Congo	NA		130	Thailand	0	
60	Costa Rica	0		131	Togo	0	
61	Cuba	0		132	Trinidad & Tobago	0	
62	Cyprus	0		133	Tunisia	0	
63	Dominican Republic	0		134	Uganda	0	
64	Ecuador	0		135	United Arab Emir.	0	
65	Egypt	0		136	Uruguay	0	
66	El Salvador	0		137	Venezuela	0	
67	Equatorial Guinea	NA		138	Vietnam	0	
68	Ethiopia	0		139	Yemen	NA	
69	Fiji	0		140	Zaire	0	
70	Finland	0		141	Zambia	0	
71	Gabon	NA		142	Zimbabwe	0	
				1	Afghanistan	217.4 *	
				2	Burma	57.3 *	
				3	Saudi Arabia	NA	
				4	Cambodia	NA	
				5	Syria	24.1	
				6	Ethiopia	17.0	
				7	Cuba	14.4	
				8	Vietnam	10.5	
				9	Iran	8.3	
				10	Yemen	NA	
				11	Guinea-Bissau	NA	
				12	Egypt	6.7	
				13	Sudan	6.4	
				14	Uganda	5.6	
				15	Libya	5.5	
				16	Laos	NA	
				17	Chad	NA	
				18	India	3.9	
				19	Turkey	3.8	
				20	El Salvador	3.6	
				21	Korea, North	NA	
				22	Romania	3.0	
				23	Israel	2.7	
				24	Jordan	2.4	
				25	Honduras	2.3	
				26	Portugal	2.1	
				27	Burundi	2.0	
				28	Angola	NA	
				29	Sri Lanka	1.6	
				30	Pakistan	1.4	
				31	Venezuela	1.3	
				32	Oman	1.3	
				33	Bahrain	1.2	
				34	Colombia	1.2	
				35	Qatar	NA	
				36	Bangladesh	1.2	
				37	Thailand	1.1	
				38	Mozambique	1.1	
				39	Algeria	1.1	
				40	United Arab Emir.	1.1	
				41	Kuwait	1.1	
				42	Bolivia	1.1	
				43	Chile	1.0	
				44	Korea, South	1.0	
				45	Tanzania	.9	
				46	Norway	.8	
				47	Zambia	.8	
				48	Guinea	NA	
				49	China - Taiwan	.7	
				50	Philippines	.6	
				51	Greece	.6	
				52	Kenya	.6	
				53	Australia	.5	
				54	South Africa	.5	
				55	New Zealand	.5	
				56	Czechoslovakia	.5	
				57	Morocco	.4	
				58	Ecuador	.4	
				59	Tunisia	.4	
				60	China - Mainland	.4	
				61	United States	.4	
				62	Japan	.3	
				63	Zimbabwe	.3	
				64	Uruguay	.3	
				65	Panama	.3	
				66	Netherlands	.3	
				67	Jamaica	.3	
				68	Indonesia	.3	
				69	Luxembourg	NA	
				70	Botswana	.3	
				71	United Kingdom	.3	
				72	Peru	.2	
				73	Singapore	.2	
				74	Belgium	.2	
				75	Switzerland	.2	
				76	Canada	.2	
				77	Spain	.2	
				78	Denmark	.2	
				79	Lebanon	.2	
				80	Argentina	.1	
				81	Germany	.1	
				82	Mexico	.1	
				83	Italy	.1	
				84	Brazil	.1	
				85	Malaysia	.1	
				86	Sweden	.1	
				87	Nigeria	.1	
				88	France	.1	
				89	Finland	0	
				90	Austria	0	
				91	Albania	0	
				92	Barbados	0	
				93	Benin	0	
				94	Bulgaria	NA	
				95	Burkina Faso	NA	
				96	Cameroon	NA	
				97	Cape Verde	NA	
				98	Central African Rep.	NA	
				99	Congo	NA	
				100	Costa Rica	0	
				101	Cyprus	0	
				102	Dominican Republic	0	
				103	Equatorial Guinea	NA	
				104	Fiji	0	
				105	Gabon	0	
				106	Gambia, The	0	
				107	Ghana	0	
				108	Guatemala	0	
				109	Guyana	NA	
				110	Haiti	0	
				111	Hungary	0	
				112	Iceland	0	
				113	Iraq	0	
				114	Ireland	0	
				115	Ivory Coast	NA	
				116	Lesotho	0	
				117	Liberia	NA	
				118	Madagascar	0	
				119	Malawi	0	
				120	Mali	NA	
				121	Malta	0	
				122	Mauritania	NA	
				123	Mauritius	0	
				124	Mongolia	NA	
				125	Nepal	0	
				126	Nicaragua	0	
				127	Niger	NA	
				128	Papua New Guinea	0	
				129	Paraguay	0	
				130	Poland	0	
				131	Rwanda	0	
				132	Sao Tome & Principe	NA	
				133	Senegal	0	
				134	Sierra Leone	0	
				135	Somalia	NA	
				136	Soviet Union	0	
				137	Suriname	NA	
				138	Swaziland	NA	
				139	Togo	NA	
				140	Trinidad & Tobago	0	
				141	Yugoslavia	0	
				142	Zaire	0	

* This ratio is (likely to be) overstated. See Main Table II, footnote c.

Country Rank in 1991, by Variable — continued

GNP Per Capita (dollars)				CGE Per Capita (dollars)							
1	Switzerland	35590	72	Paraguay	1297	1	Kuwait	NA	72	Yugoslavia	NA
2	Luxembourg	32650	73	Colombia	1187	2	Norway	12329	73	Papua New Guinea	NA
3	Japan	27300	74	Congo	1131	3	Sweden	11761	74	Swaziland	343
4	Sweden	26900	75	Jordan	1116	4	Luxembourg	11717	75	Congo	NA
5	Denmark	24280	76	El Salvador	1074	5	Netherlands	10165	76	Ivory Coast	NA
6	Iceland	24280	77	Korea, North	1068	6	Belgium	9908	77	Jamaica	296
7	Norway	24150	78	Ecuador	1020	7	Italy	9888	78	Argentina	290
8	Finland	24110	79	Mongolia	1016	8	Denmark	9704	79	Morocco	NA
9	United States	22550	80	Sudan	1016	9	France	9229	80	China - Mainland	255
10	France	20900	81	Swaziland	1015	10	Austria	8452	81	Thailand	253
11	Canada	20840	82	Morocco	1014	11	Finland	8314	82	Paraguay	250
12	Austria	20760	83	Guatemala	982	12	Iceland	7398	83	Burma	222
13	Germany	19830	84	Dominican Republic	926	13	Qatar	6829	84	Zimbabwe	211
14	Italy	19630	85	Cameroon	848	14	United Kingdom	6597	85	Egypt	NA
15	Belgium	19580	86	Papua New Guinea	832	15	Germany	6549	86	Senegal	NA
16	Kuwait	19510	87	Albania	826	16	United States	5673	87	Lesotho	197
17	Netherlands	19310	88	Cape Verde	790	17	Canada	5416	88	Angola	NA
18	United Kingdom	17400	89	Angola	NA	18	Israel	5354	89	Afghanistan	NA
19	Australia	16600	90	Yemen	729	19	New Zealand	4789	90	Guyana	185
20	Qatar	15770	91	Iraq	705	20	Australia	4519	91	Peru	183
21	Singapore	14840	92	Senegal	702	21	Ireland	4439	92	Liberia	NA
22	Israel	13590	93	Philippines	694	22	Japan	4282	93	Sri Lanka	166
23	Spain	13370	94	Bolivia	681	23	Greece	4148	94	Cameroon	NA
24	United Arab Emir.	13140	95	Ivory Coast	652	24	Switzerland	3446	95	Colombia	150
25	New Zealand	12180	96	Lesotho	614	25	Hungary	NA	96	Ecuador	146
26	Ireland	11110	97	Indonesia	577	26	Spain	3331	97	Philippines	137
27	China - Taiwan	9068	98	Honduras	564	27	Portugal	3256	98	Nicaragua	132
28	Soviet Union	8638	99	Egypt	543	28	Malta	NA	99	El Salvador	132
29	Cyprus	8207	100	Mauritania	536	29	Suriname	NA	100	Mauritania	NA
30	Malta	7425	101	Zimbabwe	532	30	Singapore	3026	101	Bolivia	128
31	Saudi Arabia	7151	102	Burma	531	31	Libya	NA	102	Indonesia	122
32	Libya	7033	103	Sri Lanka	518	32	Oman	2661	103	Mongolia	NA
33	Czechoslovakia	6914	104	Liberia	NA	33	Saudi Arabia	NA	104	Honduras	103
34	Greece	6878	105	Nicaragua	460	34	Cyprus	2593	105	Dominican Republic	98
35	Bahrain	6798	106	Central African Rep.	419	35	Soviet Union	NA	106	Gambia, The	NA
36	Barbados	6763	107	Togo	418	36	Barbados	2121	107	Laos	NA
37	Korea, South	6430	108	Haiti	413	37	Bahrain	1998	108	Kenya	95
38	Portugal	6251	109	Zambia	NA	38	United Arab Emir.	1607	109	Togo	NA
39	Oman	5984	110	Ghana	401	39	Bulgaria	NA	110	Guinea	NA
40	Hungary	5727	111	Benin	384	40	Gabon	1537	111	Pakistan	92
41	Suriname	4845	112	Gambia, The	380	41	China - Taiwan	1457	112	Zambia	NA
42	Yugoslavia	NA	113	Guyana	374	42	Romania	1421	113	Guatemala	86
43	Poland	4185	114	Pakistan	369	43	Botswana	NA	114	Chad	79
44	Bulgaria	4140	115	Equatorial Guinea	364	44	Trinidad & Tobago	1323	115	Sudan	76
45	Romania	4064	116	Sao Tome & Principe	362	45	Brazil	NA	116	Guinea-Bissau	NA
46	Gabon	4001	117	Guinea	358	46	Korea, South	1258	117	Mali	NA
47	Argentina	3984	118	Kenya	310	47	Cuba	NA	118	Nigeria	NA
48	Trinidad & Tobago	3768	119	India	303	48	Czechoslovakia	1031	119	Equatorial Guinea	NA
49	Mexico	3051	120	Burkina Faso	293	49	Korea, North	NA	120	Central African Rep.	65
50	Uruguay	2962	121	Niger	291	50	South Africa	808	121	Niger	NA
51	Venezuela	2609	122	Mali	286	51	Malaysia	764	122	Haiti	NA
52	Brazil	2601	123	Chad	252	52	Panama	686	123	Malawi	58
53	Botswana	2584	124	Nigeria	242	53	Chile	623	124	Sao Tome & Principe	NA
54	South Africa	2573	125	Laos	237	54	Mauritius	602	125	Ghana	NA
55	Cuba	2510	126	Malawi	226	55	Poland	586	126	India	51
56	Malaysia	2506	127	Guinea-Bissau	226	56	Syria	567	127	Ethiopia	43
57	Mauritius	2475	128	Zaire	NA	57	Uruguay	567	128	Burundi	35
58	Chile	2215	129	Vietnam	222	58	Turkey	541	129	Tanzania	35
59	Panama	2106	130	Madagascar	215	59	Tunisia	525	130	Madagascar	33
60	Peru	2090	131	Rwanda	199	60	Algeria	NA	131	Burkina Faso	NA
61	Fiji	1967	132	Burundi	197	61	Cape Verde	NA	132	Bangladesh	32
62	Syria	1909	133	Bangladesh	194	62	Venezuela	516	133	Benin	NA
63	Turkey	1790	134	Afghanistan	NA	63	Fiji	511	134	Rwanda	NA
64	Costa Rica	1735	135	Uganda	157	64	Iraq	NA	135	Cambodia	NA
65	Iran	1689	136	Nepal	141	65	Jordan	469	136	Vietnam	27
66	Thailand	1618	137	Somalia	NA	66	Costa Rica	451	137	Nepal	26
67	Algeria	1564	138	Cambodia	130	67	Mexico	437	138	Zaire	NA
68	Tunisia	1516	139	Ethiopia	124	68	Albania	NA	139	Uganda	19
69	Lebanon	NA	140	Sierra Leone	118	69	Iran	384	140	Mozambique	NA
70	Jamaica	1329	141	Tanzania	96	70	Lebanon	NA	141	Sierra Leone	NA
71	China - Mainland	1327	142	Mozambique	74	71	Yemen	373	142	Somalia	NA

Country Rank in 1991, by Variable — continued

CGE / GNP (percent)					
1	Kuwait	NA	72	Morocco	NA
2	Afghanistan	NA	73	Australia	27.2
3	Korea, North	NA	74	Lebanon	NA
4	Iraq	NA	75	Costa Rica	26.0
5	Suriname	NA	76	Canada	26.0
6	Cape Verde	NA	77	Fiji	26.0
7	Greece	60.3	78	Angola	NA
8	Hungary	NA	79	Guinea	NA
9	Albania	NA	80	Malawi	25.8
10	Netherlands	52.6	81	Gambia, The	NA
11	Portugal	52.1	82	United States	25.1
12	Botswana	NA	83	Spain	24.9
13	Yemen	51.1	84	Pakistan	24.9
14	Norway	51.0	85	Soviet Union	NA
15	Belgium	50.6	86	Mauritius	24.3
16	Italy	50.4	87	Mali	NA
17	Brazil	NA	98	Mauritania	NA
18	Guyana	49.6	89	Mozambique	NA
19	Ivory Coast	NA	90	Iran	22.8
20	Oman	44.5	91	Jamaica	22.3
21	France	44.2	92	Togo	NA
22	Malta	NA	93	Cambodia	NA
23	Sweden	43.7	94	Zambia	NA
24	Qatar	43.3	95	Indonesia	21.1
25	Cuba	NA	96	Singapore	20.4
26	Papua New Guinea	NA	97	Niger	NA
27	Jordan	42.0	98	Venezuela	19.8
28	Burma	42.0	99	Philippines	19.7
29	Libya	NA	100	Korea, South	19.6
30	Austria	41.0	101	Paraguay	19.3
31	Laos	NA	102	Cameroon	NA
32	Denmark	40.0	103	China - Mainland	19.2
33	Ireland	40.0	104	Uruguay	19.1
34	Zimbabwe	39.7	105	Bolivia	18.8
35	Israel	39.4	106	Equatorial Guinea	NA
36	New Zealand	39.3	107	Honduras	18.3
37	Gabon	38.4	108	Nepal	18.2
38	Egypt	NA	109	Burundi	17.9
39	United Kingdom	37.9	110	India	16.7
40	Bulgaria	NA	111	Bangladesh	16.3
41	Liberia	NA	112	Madagascar	16.1
42	Tanzania	36.7	113	China - Taiwan	16.1
43	Saudi Arabia	NA	114	Japan	15.7
44	Luxembourg	35.9	115	Thailand	15.6
45	Trinidad & Tobago	35.1	116	Central African Rep.	15.6
46	Romania	35.0	117	Sao Tome & Principe	NA
47	Tunisia	34.7	118	Czechoslovakia	14.9
48	Finland	34.5	119	Mexico	14.3
49	Ethiopia	34.4	120	Haiti	NA
50	Guinea-Bissau	NA	121	Ecuador	14.3
51	Swaziland	33.8	122	Rwanda	NA
52	Algeria	NA	123	Poland	14.0
53	Germany	33.0	124	Ghana	NA
54	Panama	32.6	125	Colombia	12.6
55	Lesotho	32.0	126	El Salvador	12.3
56	Sri Lanka	32.0	127	United Arab Emir.	12.2
57	Cyprus	31.6	128	Uganda	12.1
58	South Africa	31.4	129	Vietnam	12.0
59	Barbados	31.4	130	Sierra Leone	NA
60	Chad	31.2	131	Zaire	NA
61	Kenya	30.5	132	Burkina Faso	NA
62	Malaysia	30.5	133	Dominican Republic	10.6
63	Iceland	30.5	134	Mongolia	NA
64	Turkey	30.4	135	Switzerland	9.7
65	Syria	29.7	136	Guatemala	8.8
66	Bahrain	29.4	137	Peru	8.8
67	Congo	NA	138	Benin	NA
68	Senegal	NA	139	Yugoslavia	NA
69	Nicaragua	28.7	140	Sudan	7.5
70	Nigeria	NA	141	Argentina	7.3
71	Chile	28.1	142	Somalia	NA

List of Countries With 1991 Rank Per Variable

	COUNTRY	ME	AF	AI	AE	GNP	CGE	POP	ME/ GNP	ME/ CGE	ME/ POP	ME/ AF	AF/ POP	AI/ TI	AE/ TE	GNP/ POP	CGE/ POP	CGE/ GNP	COUNTRY
	Afghanistan	73	67	2	+	101	70	50	11	62	80	76	86	1	+	134	89	2	Afghanistan
	Albania	88	72	+	+	107	89	108	35	84	70	116	18	+	+	87	68	9	Albania
	Algeria	63	37	37	+	46	44	35	104	114	79	91	72	39	+	67	60	52	Algeria
	Angola	68	35	60	+	81	84	72	20	20	62	110	14	28	+	89	88	78	Angola
	Argentina	40	58	68	36	23	50	30	101	25	59	31	106	80	28	47	78	141	Argentina
	Australia	16	59	22	19	13	15	48	79	85	25	9	81	53	24	19	20	73	Australia
	Austria	48	75	69	30	21	16	79	125	131	36	29	63	90	35	12	10	30	Austria
	Bahrain	76	115	48	+	96	96	133	21	24	18	32	16	33	+	35	37	66	Bahrain
	Bangladesh	75	45	54	+	61	68	10	115	93	132	113	136	36	+	133	132	111	Bangladesh
	Barbados	135	141	+	+	121	111	141	135	135	71	42	120	+	+	36	36	59	Barbados
	Belgium	28	46	23	20	19	14	67	85	118	24	24	32	74	34	15	6	15	Belgium
	Benin	118	120	+	+	119	135	94	99	30	118	93	125	+	+	111	133	138	Benin
	Bolivia	91	82	70	+	91	99	83	83	65	93	107	76	42	+	94	101	105	Bolivia
	Botswana	86	121	80	+	100	83	123	38	86	46	40	68	70	+	53	43	12	Botswana
	Brazil	24	21	63	14	11	9	6	118	130	73	50	114	84	14	52	45	17	Brazil
	Bulgaria	51	43	+	15	50	42	71	50	79	42	57	25	+	8	44	39	40	Bulgaria
	Burkina Faso	98	109	+	+	106	126	69	56	17	104	66	133	+	+	120	131	132	Burkina Faso
	Burma	53	28	18	+	62	51	24	26	58	76	84	74	2	+	102	83	28	Burma
	Burundi	125	104	81	+	127	131	88	84	59	125	125	108	27	+	132	128	109	Burundi
	Cambodia	97	48	55	+	134	133	84	15	12	96	132	20	4	+	138	135	93	Cambodia
	Cameroon	83	89	+	+	69	76	58	109	94	98	79	111	+	+	85	94	102	Cameroon
	Canada	11	53	24	6	9	11	32	95	97	26	6	94	76	12	11	17	76	Canada
	Cape Verde	119	136	+	+	138	132	137	14	46	56	33	98	+	+	88	61	6	Cape Verde
	Cent. Afr. Rep.	129	126	+	+	126	134	111	107	74	120	92	127	+	+	106	120	116	Cent. Afr. Rep.
	Chad	106	71	71	+	125	117	91	32	48	101	130	35	17	+	123	114	60	Chad
	Chile	61	50	44	+	55	57	55	61	68	58	61	55	43	+	58	53	71	Chile
	China - Mainland	3	1	21	5	5	8	1	64	43	66	51	96	60	7	71	80	103	China - Mainland
	China - Taiwan	13	16	15	37	20	30	41	31	19	23	43	9	49	37	27	41	113	China - Taiwan
	Colombia	59	42	46	+	48	60	29	77	36	75	68	91	34	+	73	95	125	Colombia
	Congo	101	113	+	+	110	102	116	66	76	72	69	82	+	+	74	75	67	Congo
	Costa Rica	130	116	+	+	89	90	110	138	138	121	122	100	+	+	64	66	75	Costa Rica
	Cuba	57	20	11	+	57	46	60	45	82	50	105	6	7	+	55	47	25	Cuba
	Cyprus	72	110	+	+	86	78	132	23	32	16	25	19	+	+	29	34	57	Cyprus
	Czechoslovakia	35	34	49	8	28	38	51	78	44	40	49	34	56	4	33	48	118	Czechoslovakia
	Denmark	37	85	50	31	24	19	90	91	115	19	12	61	78	33	5	8	32	Denmark
	Dominican Rep.	107	91	+	+	79	105	82	131	100	119	120	95	+	+	84	105	133	Dominican Rep.
	Ecuador	78	70	72	+	68	88	62	93	53	89	97	71	58	+	78	96	121	Ecuador
	Egypt	60	15	12	+	53	47	21	63	90	91	124	47	12	+	99	85	38	Egypt
	El Salvador	81	64	51	+	85	106	89	71	29	74	115	29	20	+	76	99	126	El Salvador
	Equat. Guinea	137	137	+	+	141	141	138	68	50	103	100	97	+	+	115	119	106	Equat. Guinea
	Ethiopia	50	39	42	+	80	74	22	4	7	78	58	104	6	+	139	127	49	Ethiopia
	Fiji	120	122	+	+	124	119	130	88	92	68	83	56	+	+	61	63	77	Fiji
	Finland	39	83	82	+	25	23	92	96	112	21	17	58	89	+	8	11	48	Finland
	France	5	10	32	4	6	5	19	58	95	13	16	37	88	10	10	9	21	France
	Gabon	84	111	+	+	94	85	124	55	83	44	52	38	+	+	46	40	37	Gabon
	Gambia, The	139	132	+	+	137	137	128	139	139	139	137	103	+	+	112	106	81	Gambia, The
	Germany	6	14	16	9	4	6	12	82	98	20	14	62	81	25	13	15	53	Germany
	Ghana	116	114	+	+	82	100	52	134	119	135	102	141	+	+	110	125	124	Ghana
	Greece	32	26	33	+	36	22	66	29	87	28	48	10	51	+	34	23	7	Greece
	Guatemala	100	76	+	+	71	101	70	126	75	109	128	77	+	+	83	113	136	Guatemala
	Guinea	115	100	83	+	104	107	81	116	116	124	121	113	48	+	117	110	79	Guinea
	Guinea-Bissau	136	105	84	+	140	138	126	80	102	122	138	27	11	+	127	116	50	Guinea-Bissau
	Guyana	138	129	+	+	139	136	131	124	133	129	134	75	+	+	113	90	18	Guyana
	Haiti	108	117	+	+	111	121	87	97	56	116	82	128	+	+	108	122	120	Haiti
	Honduras	111	96	64	+	103	112	93	108	89	111	117	87	25	+	98	104	107	Honduras
	Hungary	54	52	+	18	39	25	64	92	123	48	54	41	+	11	40	25	8	Hungary
	Iceland	141	142	+	+	83	77	140	141	141	141	141	142	+	+	6	12	63	Iceland
	India	19	4	5	+	16	20	2	74	49	117	87	126	18	+	119	126	110	India
	Indonesia	46	22	45	38	27	32	5	110	101	114	85	124	68	36	97	102	95	Indonesia
	Iran	23	13	4	21	33	35	15	27	27	52	60	48	9	16	65	69	90	Iran
	Iraq	14	11	+	+	66	53	46	2	2	17	45	7	+	+	91	64	4	Iraq
	Ireland	66	102	+	32	49	40	104	119	126	45	27	84	+	30	26	21	33	Ireland
	Israel	25	31	14	7	38	31	96	18	35	6	36	2	23	3	22	18	35	Israel
	Italy	9	12	27	12	7	3	17	89	121	27	20	44	83	26	14	7	16	Italy
	Ivory Coast	89	101	+	+	75	65	57	111	127	106	70	130	+	+	95	76	19	Ivory Coast
	Jamaica	126	130	85	+	98	103	113	132	125	107	74	129	67	+	70	77	91	Jamaica
	Japan	8	24	7	33	2	4	7	127	110	32	8	109	62	+	3	22	114	Japan
	Jordan	71	47	47	+	95	87	105	13	22	47	98	4	24	+	75	65	27	Jordan
	Kenya	79	93	73	+	76	72	36	73	88	115	63	138	52	+	118	108	61	Kenya
	Korea, North	27	5	39	10	60	37	40	6	23	35	104	1	21	2	77	49	3	Korea, North
	Korea, South	12	9	8	22	14	17	23	52	40	33	56	15	44	29	37	46	100	Korea, South
	Kuwait	10	112	52	+	63	34	129	1	6	1	1	26	41	+	16	1	1	Kuwait

List of Countries With 1991 Rank Per Variable — continued

COUNTRY	ME	AF	AI	AE	GNP	CGE	POP	ME/ GNP	ME/ CGE	ME/ POP	ME/ AF	AF/ POP	AI/ TI	AE/ TE	GNP/ POP	CGE/ POP	CGE/ GNP	COUNTRY
Laos	114	68	74	+	131	116	99	48	80	110	135	23	16	+	125	107	31	Laos
Lebanon	82	79	86	+	93	92	106	59	64	65	96	30	79	+	69	70	74	Lebanon
Lesotho	113	133	+	+	128	123	120	46	66	81	44	132	+	+	96	87	55	Lesotho
Liberia	109	123	+	+	133	120	118	34	61	84	65	101	+	+	104	92	41	Liberia
Libya	38	54	19	23	52	45	98	17	34	15	35	12	15	13	32	31	29	Libya
Luxembourg	95	138	65	+	65	61	136	128	132	31	10	99	69	+	2	4	44	Luxembourg
Madagascar	121	92	+	+	113	118	59	120	99	134	129	117	+	+	130	130	112	Madagascar
Malawi	127	118	+	+	117	110	68	121	120	133	114	137	+	+	126	123	80	Malawi
Malaysia	49	40	61	+	43	43	45	54	69	55	55	59	85	+	56	51	62	Malaysia
Mali	112	103	+	+	114	109	75	100	96	123	108	122	+	+	122	117	87	Mali
Malta	128	134	+	+	109	95	139	129	134	61	64	64	+	+	30	28	22	Malta
Mauritania	117	97	+	+	130	128	119	62	54	92	127	40	+	+	100	100	88	Mauritania
Mauritius	134	139	+	+	108	108	125	137	137	113	67	135	+	+	57	54	86	Mauritius
Mexico	55	32	56	26	15	24	11	136	128	100	80	112	82	23	49	67	119	Mexico
Mongolia	93	84	+	+	115	129	117	36	13	64	106	21	+	+	79	103	134	Mongolia
Morocco	56	29	62	+	58	59	34	43	51	67	90	50	57	+	82	79	72	Morocco
Mozambique	87	61	75	+	129	127	54	12	9	108	126	78	38	+	142	140	89	Mozambique
Nepal	122	80	+	+	105	113	43	123	111	138	133	116	+	+	136	137	108	Nepal
Netherlands	18	44	20	11	12	10	53	81	117	22	19	53	66	20	17	5	10	Netherlands
New Zealand	65	108	57	+	47	39	107	114	124	41	21	90	55	+	25	19	36	New Zealand
Nicaragua	105	94	+	+	120	114	103	47	55	90	109	66	+	+	105	98	69	Nicaragua
Niger	123	124	+	+	116	115	80	117	106	130	88	140	+	+	121	121	97	Niger
Nigeria	77	49	87	+	54	55	8	130	129	137	119	139	87	+	124	118	70	Nigeria
Norway	34	77	25	34	32	18	100	67	109	9	15	36	46	32	7	2	14	Norway
Oman	52	87	58	+	72	64	121	8	16	7	22	13	32	+	39	32	20	Oman
Pakistan	36	8	34	35	44	48	9	25	28	87	111	54	30	17	114	111	84	Pakistan
Panama	142	106	88	+	90	81	114	142	142	142	142	73	65	+	59	52	54	Panama
Pap. New Guin.	99	128	+	+	99	91	101	70	103	83	38	134	+	+	86	73	26	Pap. New Guin.
Paraguay	96	98	+	+	84	94	95	106	91	88	81	89	+	+	72	82	101	Paraguay
Peru	67	38	76	+	41	63	39	122	67	85	101	65	72	+	60	91	137	Peru
Philippines	62	41	43	+	42	52	14	94	78	95	72	118	50	+	93	97	99	Philippines
Poland	17	18	+	13	22	36	27	42	18	38	41	46	+	9	43	55	123	Poland
Portugal	43	55	10	+	37	26	63	65	108	37	39	43	26	+	38	27	11	Portugal
Qatar	47	107	66	+	77	69	134	5	10	2	4	8	35	+	20	13	24	Qatar
Romania	33	27	28	+	34	27	38	49	71	43	47	39	22	+	45	42	46	Romania
Rwanda	92	86	+	+	123	130	78	22	11	94	103	83	+	+	131	134	122	Rwanda
Sao Tome&Princ.	140	140	+	+	142	142	142	140	140	140	140	49	+	+	116	124	117	Sao Tome&Princ.
Saudi Arabia	7	30	1	+	26	21	49	3	4	3	3	28	3	+	31	33	43	Saudi Arabia
Senegal	94	95	+	+	88	86	77	98	105	99	86	105	+	+	92	86	68	Senegal
Sierra Leone	133	125	+	+	136	140	97	86	37	131	123	131	+	+	140	141	130	Sierra Leone
Singapore	44	69	35	24	45	56	112	33	26	10	28	11	73	27	21	30	96	Singapore
Somalia	131	73	+	+	132	139	85	112	31	136	139	57	+	+	137	142	142	Somalia
South Africa	31	56	40	27	30	28	25	53	70	53	23	110	54	21	54	50	58	South Africa
Soviet Union	2	2	+	2	3	2	3	16	14	8	13	31	+	1	28	35	85	Soviet Union
Spain	15	25	29	16	10	12	26	105	104	34	30	60	77	19	23	26	83	Spain
Sri Lanka	70	51	53	+	73	71	47	40	52	82	94	69	29	+	103	93	56	Sri Lanka
Sudan	42	62	41	+	56	75	31	19	3	57	34	102	13	+	80	115	140	Sudan
Suriname	104	127	+	+	118	93	135	51	113	39	46	33	+	+	41	29	5	Suriname
Swaziland	132	131	+	+	135	125	127	113	122	97	99	88	+	+	81	74	51	Swaziland
Sweden	21	63	59	28	18	13	73	72	107	11	11	51	86	31	4	3	23	Sweden
Switzerland	29	90	36	17	17	33	86	102	39	14	2	92	75	22	1	24	135	Switzerland
Syria	30	17	9	+	59	58	56	7	8	29	62	3	5	+	62	56	65	Syria
Tanzania	90	78	77	+	112	98	33	41	63	126	112	123	45	+	141	129	42	Tanzania
Thailand	41	23	17	+	35	41	20	75	45	69	71	70	37	+	66	81	115	Thailand
Togo	110	119	+	+	122	124	102	69	60	102	89	107	+	+	107	109	92	Togo
Trinidad & Tob.	124	135	+	+	92	82	122	133	136	86	53	121	+	+	48	44	45	Trinidad & Tob.
Tunisia	69	81	67	+	67	62	76	60	81	63	59	79	59	+	68	59	47	Tunisia
Turkey	22	7	6	29	31	29	16	30	42	51	77	22	19	18	63	58	64	Turkey
Uganda	102	65	78	+	102	122	44	76	33	128	131	93	14	+	135	139	128	Uganda
Un. Arab Emir.	26	60	30	+	51	66	115	9	1	4	18	5	40	+	24	38	127	Un. Arab Emir.
United Kingdom	4	19	13	3	8	7	18	44	72	12	5	67	71	6	18	14	39	United Kingdom
United States	1	3	3	1	1	1	4	37	38	5	7	42	61	5	9	16	82	United States
Uruguay	80	88	89	+	70	80	109	90	73	60	75	45	64	+	50	57	104	Uruguay
Venezuela	45	57	31	+	40	49	42	57	41	54	37	85	31	+	51	62	98	Venezuela
Vietnam	64	6	26	+	64	79	13	39	15	105	136	17	8	+	129	136	129	Vietnam
Yemen	58	36	38	+	78	67	65	10	21	49	73	24	10	+	90	71	13	Yemen
Yugoslavia	20	33	+	25	29	54	37	24	5	30	26	52	+	15	42	72	139	Yugoslavia
Zaire	85	66	+	+	74	97	28	103	47	127	118	119	+	+	128	138	131	Zaire
Zambia	103	99	79	+	97	104	74	87	77	112	95	115	47	+	109	112	94	Zambia
Zimbabwe	74	74	90	+	87	73	61	28	57	77	78	80	63	+	101	84	34	Zimbabwe

+ Tied for last place with a zero value.

Main Statistical Tables

**TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1981-1991
By Region, Organization, and Country**

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Billion dollars			Billion dollars									Billion dollars
	Current	Constant 1991		Current	Constant 1991								Constant 1991
Thousands	Millions	%	%	Constant 1991 dollars	Soldiers	Constant 1991 dollars							
TOTALS ^a													
WORLD													
1981	705.6	1053.4	27320	13130	19600	5717.8	4537.9	5.4	18.4	232	6.0	4320	
1982	791.7	1112.9	27230	14000	19680	5931.2	4616.7	5.7	18.8	241	5.9	4263	
1983	851.5	1150.2	27450	14940	20190	6094.0	4698.1	5.7	18.9	245	5.8	4297	
1984	902.6	1167.2	28250	16210	20950	6171.2	4779.5	5.6	18.9	244	5.9	4384	
1985	958.8	1196.2	28530	17310	21600	6418.6	4862.2	5.5	18.6	246	5.9	4442	
1986	995.7	1209.7	28920	18310	22240	6561.0	4949.0	5.4	18.4	244	5.8	4494	
1987	1031.5	1214.6	28750	19520	22980	6656.3	5037.3	5.3	18.2	241	5.7	4562	
1988	1058.4	1200.1	28650	21150	23980	6761.0	5126.5	5.0	17.7	234	5.6	4678	
1989	1069.6	1160.5	28430	22760	24690	7074.5	5217.2	4.7	16.4	222	5.5	4732	
1990	1086.1	1129.6	27860	24080	25050	6967.7	5308.4	4.5	16.2	213	5.2	4719	
1991	1038.1	1038.1	26020	24940	24940	6930.2	5398.6	4.2	15.0	192	4.8	4619	
DEVELOPED													
1981	563.5	841.2	10140	10630	15870	4651.7	1094.0	5.3	18.1	769	9.3	14510	
1982	627.0	881.4	10230	11320	15920	4805.4	1102.1	5.5	18.3	800	9.3	14450	
1983	675.6	912.5	10290	12100	16340	4930.4	1109.9	5.6	18.5	822	9.3	14720	
1984	719.4	930.2	10330	13090	16930	5009.5	1117.8	5.5	18.6	832	9.2	15150	
1985	773.3	964.8	10350	13940	17400	5168.8	1125.7	5.5	18.7	857	9.2	15460	
1986	807.4	980.9	10400	14720	17880	5290.1	1133.8	5.5	18.5	865	9.2	15770	
1987	843.2	992.9	10430	15590	18360	5345.8	1141.9	5.4	18.6	870	9.1	16080	
1988	870.7	987.2	10350	16860	19120	5404.6	1150.0	5.2	18.3	858	9.0	16630	
1989	877.2	951.7	10020	18110	19650	5473.0	1158.9	4.8	17.4	821	8.6	16950	
1990	860.6	895.1	9400	19070	19830	5559.2	1166.7	4.5	16.1	767	8.1	17000	
1991	796.5	796.5	8667	19540	19540	5610.0	1174.8	4.1	14.2	678	7.4	16630	
DEVELOPING													
1981	142.1	212.1	17180	2500	3732	1066.0	3443.9	5.7	19.9	62	5.0	1084	
1982	164.7	231.5	17000	2674	3759	1125.8	3514.7	6.2	20.6	66	4.8	1070	
1983	176.0	237.7	17170	2846	3844	1163.6	3588.2	6.2	20.4	66	4.8	1071	
1984	183.3	237.0	17920	3110	4022	1161.7	3661.7	5.9	20.4	65	4.9	1098	
1985	185.5	231.4	18180	3366	4200	1249.8	3736.5	5.5	18.5	62	4.9	1124	
1986	188.3	228.7	18530	3592	4364	1270.9	3815.2	5.2	18.0	60	4.9	1144	
1987	188.3	221.7	18320	3922	4619	1310.4	3896.4	4.8	16.9	57	4.7	1186	
1988	187.7	212.9	18290	4286	4859	1356.4	3976.5	4.4	15.7	54	4.6	1222	
1989	192.4	208.8	18420	4646	5040	1601.4	4058.3	4.1	13.0	51	4.5	1242	
1990	225.5	234.5	18460	5019	5220	1408.5	4141.7	4.5	16.6	57	4.5	1260	
1991	241.7	241.7	17350	5401	5401	1320.2	4223.8	4.5	18.3	57	4.1	1279	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME) Billion dollars		ARMED FORCES Thousands	GROSS NATIONAL PRODUCT (GNP) Billion dollars		CENTRAL GOVERNMENT EXPENDITURES (CGE) Billion dollars	PEOPLE Millions	ME	ME	ME	ARMED FORCES PER 1000 PEOPLE Soldiers	GNP	
	Current	Constant 1991		Current	Constant 1991			Constant 1991	%	%		Constant 1991 dollars	Constant 1991 dollars
BY REGION ^a													
AFRICA													
1981	11.9	17.8	1427	235	350	103.3	461.6	5.1	17.2	38	3.1	759	
1982	12.4	17.4	1433	247	348	106.9	475.2	5.0	16.3	37	3.0	732	
1983	13.6	18.3	1462	257	347	110.0	489.4	5.3	16.7	37	3.0	709	
1984	14.8	19.1	1546	269	348	111.0	504.2	5.5	17.2	38	3.1	690	
1985	13.8	17.2	1610	285	356	113.0	519.2	4.8	15.2	33	3.1	686	
1986	14.2	17.3	1714	293	356	116.3	534.7	4.9	14.9	32	3.2	666	
1987	14.0	16.5	1761	306	361	117.5	550.9	4.6	14.0	30	3.2	655	
1988	15.0	17.0	1654	323	366	116.9	567.1	4.6	14.5	30	2.9	646	
1989	15.8	17.1	1674	348	378	114.4	584.2	4.5	15.0	29	2.9	647	
1990	15.9	16.5	1698	370	385	111.2	602.0	4.3	14.9	27	2.8	639	
1991	16.0	16.0	1629	391	391	112.8	620.4	4.1	14.2	26	2.6	631	
EAST ASIA													
1981	68.0	101.6	8957	2210	3299	681.0	1562.5	3.1	14.9	65	5.7	2111	
1982	74.6	104.9	8587	2453	3448	697.4	1586.1	3.0	15.0	66	5.4	2174	
1983	78.0	105.4	8347	2678	3618	726.6	1611.1	2.9	14.5	65	5.2	2246	
1984	81.2	105.0	8373	2987	3862	749.8	1634.4	2.7	14.0	64	5.1	2363	
1985	86.9	108.4	8367	3299	4116	783.2	1658.3	2.6	13.8	65	5.0	2482	
1986	90.5	110.0	8621	3547	4309	841.6	1683.9	2.6	13.1	65	5.1	2559	
1987	93.6	110.2	8101	3899	4591	853.7	1711.4	2.4	12.9	64	4.7	2683	
1988	98.8	112.0	8145	4366	4951	876.7	1738.8	2.3	12.8	64	4.7	2847	
1989	106.3	115.3	8432	4793	5200	934.8	1765.5	2.2	12.3	65	4.8	2945	
1990	115.7	120.4	8240	5278	5490	960.8	1792.8	2.2	12.5	67	4.6	3062	
1991	119.7	119.7	8058	5782	5782	1007.9	1820.5	2.1	11.9	66	4.4	3176	
EUROPE, ALL													
1981	386.0	576.3	9335	5994	8948	3144.2	800.9	6.4	18.3	720	11.7	11170	
1982	421.7	592.8	9392	6443	9057	3261.0	806.0	6.5	18.2	735	11.7	11240	
1983	446.2	602.7	9448	6828	9223	3313.6	811.1	6.5	18.2	743	11.6	11370	
1984	469.2	606.6	9448	7274	9406	3388.2	816.4	6.4	17.9	743	11.6	11520	
1985	492.9	614.9	9424	7683	9586	3441.5	821.6	6.4	17.9	748	11.5	11670	
1986	510.4	620.1	9466	8118	9863	3554.1	826.9	6.3	17.4	750	11.4	11930	
1987	537.4	632.7	9499	8551	10070	3622.5	832.1	6.3	17.5	760	11.4	12100	
1988	556.4	630.8	9373	9198	10430	3648.5	837.3	6.0	17.3	753	11.2	12460	
1989	549.2	595.8	8936	9842	10680	3663.6	843.1	5.6	16.3	707	10.6	12660	
1990	527.2	548.3	8310	10250	10670	3639.0	848.7	5.1	15.1	646	9.8	12570	
1991	487.4	487.4	7638	10300	10300	3601.8	854.0	4.7	13.5	571	8.9	12060	
—NATO EUROPE													
1981	116.9	174.5	3586	3375	5038	1995.6	366.2	3.5	8.7	476	9.8	13760	
1982	127.4	179.1	3629	3606	5069	2082.1	368.1	3.5	8.6	486	9.9	13770	
1983	136.3	184.1	3639	3817	5156	2144.2	369.9	3.6	8.6	498	9.8	13940	
1984	143.2	185.1	3637	4084	5281	2205.0	371.8	3.5	8.4	498	9.8	14200	
1985	149.9	187.0	3603	4345	5421	2243.2	373.7	3.5	8.3	500	9.6	14500	
1986	153.8	186.8	3670	4588	5573	2294.5	375.7	3.4	8.1	497	9.8	14830	
1987	162.8	191.7	3665	4867	5731	2333.6	377.8	3.3	8.2	507	9.7	15170	
1988	165.4	187.5	3625	5250	5953	2350.8	380.1	3.1	8.0	493	9.5	15660	
1989	174.4	189.2	3534	5673	6155	2416.0	383.2	3.1	7.8	494	9.2	16060	
1990	183.5	190.8	3509	6079	6323	2464.4	386.3	3.0	7.7	494	9.1	16370	
1991	188.1	188.1	3391	6408	6408	2599.5	405.3	2.9	7.2	464	8.4	15810	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME) Billion dollars		ARMED FORCES Thousands	GROSS NATIONAL PRODUCT (GNP) Billion dollars		CENTRAL GOVERNMENT EXPENDITURES (CGE) Billion dollars	PEOPLE Millions	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Current	Constant 1991		Current	Constant 1991	Constant 1991		%	%	Constant 1991 dollars	Soldiers	Constant 1991 dollars
—WARSAW PACT												
1981	256.3	382.7	5259	2105	3142	911.8	378.6	12.2	42.0	1011	13.9	8299
1982	280.5	394.4	5271	2289	3218	935.1	381.5	12.3	42.2	1034	13.8	8436
1983	295.6	399.2	5302	2434	3287	917.6	384.5	12.1	43.5	1038	13.8	8550
1984	310.9	402.0	5323	2571	3325	930.5	387.5	12.1	43.2	1037	13.7	8579
1985	327.1	408.1	5334	2680	3344	960.9	390.5	12.2	42.5	1045	13.7	8563
1986	339.9	412.9	5343	2840	3450	1024.6	393.5	12.0	40.3	1049	13.6	8769
1987	357.4	420.8	5351	2956	3481	1051.7	396.4	12.1	40.0	1062	13.5	8781
1988	373.5	423.5	5280	3170	3595	1056.9	398.9	11.8	40.1	1062	13.2	9011
1989	357.7	388.1	4952	3330	3613	1010.8	401.4	10.7	38.4	967	12.3	9001
1990	324.2	337.2	4397	3295	3427	922.5	403.5	9.8	36.6	836	10.9	8493
1991	276.6	276.6	3854	2990	2990	744.0	389.4	9.3	37.2	710	9.9	7679
—OTHER EUROPE												
1981	12.8	19.1	490	514	767	236.8	56.1	2.5	8.1	340	8.7	13680
1982	13.8	19.3	492	548	770	243.8	56.4	2.5	7.9	343	8.7	13650
1983	14.3	19.3	506	577	780	251.8	56.7	2.5	7.7	340	8.9	13740
1984	15.1	19.5	488	619	801	252.7	57.0	2.4	7.7	342	8.6	14040
1985	15.9	19.8	487	658	821	237.5	57.3	2.4	8.3	345	8.5	14320
1986	16.8	20.4	453	691	839	235.1	57.6	2.4	8.7	355	7.9	14560
1987	17.1	20.2	483	728	857	237.3	57.9	2.4	8.5	348	8.3	14800
1988	17.5	19.8	468	778	882	240.8	58.2	2.2	8.2	340	8.0	15140
1989	17.1	18.6	449	839	910	236.8	58.5	2.0	7.8	317	7.7	15540
1990	19.4	20.2	404	881	916	252.1	58.9	2.2	8.0	343	6.9	15550
1991	22.6	22.6	393	905	905	258.3	59.2	2.5	8.8	382	6.6	15270
LATIN AMERICA												
1981	10.5	15.7	1617	638	952	250.0	367.3	1.6	6.3	43	4.4	2592
1982	14.1	19.8	1687	658	925	270.0	375.1	2.1	7.3	53	4.5	2465
1983	13.0	17.5	1746	665	898	267.0	383.5	2.0	6.6	46	4.6	2342
1984	14.3	18.5	1798	721	932	249.9	391.9	2.0	7.4	47	4.6	2379
1985	14.0	17.5	1814	777	969	306.8	400.3	1.8	5.7	44	4.5	2422
1986	15.6	18.9	1833	832	1011	315.9	408.7	1.9	6.0	46	4.5	2475
1987	16.6	19.6	1878	892	1051	370.7	417.2	1.9	5.3	47	4.5	2518
1988	16.5	18.7	1581	929	1054	401.9	425.8	1.8	4.7	44	3.7	2475
1989	16.6	18.0	1592	976	1059	604.6	434.5	1.7	3.0	41	3.7	2438
1990	17.1	17.8	1585	1019	1059	433.5	443.3	1.7	4.1	40	3.6	2390
1991	15.8	15.8	1561	1088	1088	307.0	452.1	1.5	5.1	35	3.5	2406
MIDDLE EAST												
1981	44.8	66.9	1883	370	552	248.5	138.3	12.1	26.9	484	13.6	3990
1982	55.6	78.2	1909	367	515	261.4	143.0	15.2	29.9	547	13.4	3603
1983	64.2	86.7	2040	368	497	276.8	147.6	17.4	31.3	587	13.8	3370
1984	65.2	84.3	2531	369	478	247.5	152.4	17.6	34.1	553	16.6	3134
1985	62.4	77.8	2541	365	456	242.3	157.4	17.1	32.1	494	16.1	2894
1986	59.5	72.3	2503	340	413	190.0	164.3	17.5	38.1	440	15.2	2516
1987	55.1	64.9	2699	357	420	159.6	169.5	15.5	40.7	383	15.9	2477
1988	51.5	58.4	3224	367	416	161.5	175.0	14.0	36.1	333	18.4	2379
1989	49.9	54.2	3203	397	430	159.5	180.8	12.6	34.0	300	17.7	2381
1990	73.6	76.6	3405	427	444	158.4	186.4	17.3	48.4	411	18.3	2380
1991	88.3	88.3	2560	438	438	161.2	189.6	20.1	54.8	466	13.5	2311

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME) Billion dollars		ARMED FORCES Thousands	GROSS NATIONAL PRODUCT (GNP) Billion dollars		CENTRAL GOVERNMENT EXPENDITURES (CGE) Billion dollars	PEOPLE Millions	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Current	Constant 1991		Current	Constant 1991	Constant 1991		%	%	Constant 1991 dollars	Soldiers	Constant 1991 dollars
NORTH AMERICA												
1981	175.4	261.9	2182	3365	5023	1178.7	254.5	5.2	22.2	1029	8.6	19740
1982	203.0	285.3	2249	3488	4904	1218.0	257.1	5.8	23.4	1110	8.7	19070
1983	224.9	303.8	2282	3768	5089	1274.3	259.6	6.0	23.8	1170	8.8	19600
1984	245.1	316.9	2304	4171	5394	1287.2	262.0	5.9	24.6	1210	8.8	20590
1985	274.8	342.9	2327	4455	5558	1382.8	264.5	6.2	24.8	1296	8.8	21020
1986	290.5	352.9	2354	4702	5713	1385.3	267.0	6.2	25.5	1322	8.8	21400
1987	298.3	351.2	2365	5002	5890	1372.9	269.6	6.0	25.6	1303	8.8	21850
1988	303.7	344.3	2334	5406	6130	1396.8	272.3	5.6	24.6	1265	8.6	22520
1989	315.0	341.8	2329	5798	6290	1429.6	275.1	5.4	23.9	1243	8.5	22870
1990	317.8	330.5	2268	6092	6336	1497.6	277.0	5.2	22.1	1193	8.2	22870
1991	291.8	291.8	2201	6257	6257	1578.6	279.5	4.7	18.5	1044	7.9	22390
OCEANIA												
1981	4.1	6.2	89	179	268	72.2	21.8	2.3	8.6	284	4.1	12300
1982	4.6	6.5	90	188	264	74.3	22.1	2.5	8.8	295	4.1	11920
1983	5.2	7.0	91	205	277	80.7	22.5	2.5	8.6	310	4.1	12320
1984	5.7	7.3	90	223	289	87.6	22.8	2.5	8.4	321	3.9	12670
1985	6.1	7.7	90	239	299	91.4	23.1	2.6	8.4	331	3.9	12910
1986	6.3	7.6	89	252	306	93.3	23.5	2.5	8.2	325	3.8	13050
1987	6.8	8.0	89	269	317	93.3	23.8	2.5	8.6	338	3.7	13320
1988	6.5	7.4	90	288	326	88.4	24.2	2.3	8.3	305	3.7	13490
1989	6.7	7.3	89	306	332	89.9	24.6	2.2	8.1	295	3.6	13500
1990	7.3	7.6	88	318	331	90.6	24.9	2.3	8.4	305	3.5	13260
1991	8.1	8.1	88	333	333	96.0	25.3	2.4	8.4	320	3.5	13150
SOUTH ASIA												
1981	4.8	7.1	1828	142	212	39.9	931.0	3.4	17.9	8	2.0	227
1982	5.6	7.9	1882	156	219	42.2	952.0	3.6	18.7	8	2.0	230
1983	6.5	8.8	2038	175	236	45.0	973.3	3.7	19.6	9	2.1	243
1984	7.2	9.3	2165	189	245	50.1	995.4	3.8	18.6	9	2.2	246
1985	7.9	9.8	2354	207	258	57.6	1017.8	3.8	17.1	10	2.3	253
1986	8.6	10.5	2342	222	269	64.5	1040.2	3.9	16.2	10	2.3	259
1987	9.7	11.4	2362	239	282	66.0	1062.9	4.1	17.3	11	2.2	265
1988	10.1	11.5	2246	270	306	70.3	1086.0	3.7	16.3	11	2.1	282
1989	10.2	11.0	2181	296	322	78.1	1109.4	3.4	14.1	10	2.0	290
1990	11.5	12.0	2270	326	339	76.6	1133.2	3.5	15.6	11	2.0	299
1991	11.0	11.0	2283	344	344	64.9	1157.2	3.2	17.0	10	2.0	297

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME) Billion dollars		ARMED FORCES Thousands	GROSS NATIONAL PRODUCT (GNP) Billion dollars		CENTRAL GOVERNMENT EXPENDITURES (CGE) Billion dollars	PEOPLE Millions	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Current	Constant 1991		Current	Constant 1991	Constant 1991		%	%	Constant 1991 dollars	Soldiers	Constant 1991 dollars
BY ORGANIZATION ^a												
NATO, ALL												
1981	292.3	436.4	5768	6740	10060	3174.3	620.7	4.3	13.7	703	9.3	16210
1982	330.4	464.4	5878	7094	9972	3300.1	625.3	4.7	14.1	743	9.4	15950
1983	361.2	487.9	5921	7585	10240	3418.5	629.5	4.8	14.3	775	9.4	16270
1984	388.3	502.1	5941	8255	10670	3492.2	633.8	4.7	14.4	792	9.4	16840
1985	424.7	529.9	5930	8800	10980	3626.0	638.2	4.8	14.6	830	9.3	17200
1986	444.3	539.7	6024	9290	11290	3679.8	642.7	4.8	14.7	840	9.4	17560
1987	461.1	542.9	6030	9869	11620	3706.4	647.4	4.7	14.6	839	9.3	17950
1988	469.0	531.8	5959	10660	12080	3747.7	652.4	4.4	14.2	815	9.1	18520
1989	489.4	531.0	5863	11470	12440	3845.6	658.3	4.3	13.8	807	8.9	18910
1990	501.3	521.4	5777	12170	12660	3962.0	663.4	4.1	13.2	786	8.7	19080
1991	479.9	479.9	5592	12660	12660	4178.1	684.8	3.8	11.5	701	8.2	18490
WARSAW PACT												
1981	256.3	382.7	5259	2105	3142	911.8	378.6	12.2	42.0	1011	13.9	8299
1982	280.5	394.4	5271	2289	3218	935.1	381.5	12.3	42.2	1034	13.8	8436
1983	295.6	399.2	5302	2434	3287	917.6	384.5	12.1	43.5	1038	13.8	8550
1984	310.9	402.0	5323	2571	3325	930.5	387.5	12.1	43.2	1037	13.7	8579
1985	327.1	408.1	5334	2680	3344	960.9	390.5	12.2	42.5	1045	13.7	8563
1986	339.9	412.9	5343	2840	3450	1024.6	393.5	12.0	40.3	1049	13.6	8769
1987	357.4	420.8	5351	2956	3481	1051.7	396.4	12.1	40.0	1062	13.5	8781
1988	373.5	423.5	5280	3170	3595	1056.9	398.9	11.8	40.1	1062	13.2	9011
1989	357.7	388.1	4952	3330	3613	1010.8	401.4	10.7	38.4	967	12.3	9001
1990	324.2	337.2	4397	3295	3427	922.5	403.5	9.8	36.6	836	10.9	8493
1991	276.6	276.6	3854	2990	2990	744.0	389.4	9.3	37.2	710	9.9	7679
OPEC												
1981	39.8	59.5	1454	444	663	250.2	366.3	9.0	23.8	162	4.0	1890
1982	49.1	69.0	1485	440	618	254.2	377.1	11.2	27.1	183	3.9	1639
1983	55.7	75.3	1541	443	598	261.3	386.8	12.6	28.8	195	4.0	1546
1984	56.3	72.8	2063	449	580	231.3	396.9	12.5	31.5	183	5.2	1462
1985	53.1	66.2	2077	451	563	235.1	407.7	11.8	28.2	162	5.1	1380
1986	51.9	63.0	2102	429	522	196.0	419.7	12.1	32.1	150	5.0	1243
1987	48.2	56.8	2207	446	526	166.1	430.7	10.8	34.2	132	5.1	1220
1988	45.2	51.3	2532	462	524	169.9	442.2	9.8	30.2	116	5.7	1185
1989	43.3	47.0	2491	500	542	163.5	453.9	8.7	28.7	104	5.5	1195
1990	65.5	68.1	2788	542	563	163.8	465.4	12.1	41.6	146	6.0	1211
1991	81.6	81.6	1945	565	565	176.0	474.5	14.4	46.4	172	4.1	1192
OECD												
1981	319.8	477.4	6281	8835	13190	3887.4	786.9	3.6	12.3	607	8.0	16760
1982	361.2	507.7	6396	9373	13180	4034.4	792.7	3.9	12.6	640	8.1	16620
1983	394.6	533.0	6452	10020	13540	4179.2	798.1	3.9	12.8	668	8.1	16960
1984	424.2	548.5	6453	10900	14100	4262.2	803.4	3.9	12.9	683	8.0	17550
1985	463.4	578.1	6440	11670	14560	4393.1	808.9	4.0	13.2	715	8.0	18000
1986	485.0	589.3	6529	12310	14960	4452.7	814.5	3.9	13.2	724	8.0	18360
1987	504.3	593.9	6564	13110	15440	4494.4	820.0	3.8	13.2	724	8.0	18820
1988	514.6	583.5	6483	14210	16110	4551.3	826.0	3.6	12.8	706	7.8	19500
1989	537.9	583.6	6372	15340	16640	4684.1	832.8	3.5	12.5	701	7.7	19980
1990	553.8	576.0	6280	16370	17030	4815.5	838.8	3.4	12.0	687	7.5	20300
1991	536.1	536.1	6095	17170	17170	5050.6	861.2	3.1	10.6	622	7.1	19940

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1991		Current	Constant 1991	Constant 1991	Millions	%	%	Constant 1991 dollars	Soldiers	
BY COUNTRY												
Afghanistan	E	E										
1981	144	216	45	2820	4210	794	14.1	5.1	27.1	15	3.2	299
1982	135	190	55	2865 E	4027 E	597	13.6	4.7	31.7	14	4.0	295
1983	186	251	75	2881 E	3891 E	399 E	13.7	6.4	62.9	18	5.5	284
1984	258	333	60	2842 E	3675 E	517 E	13.8	9.1	64.4	24	4.3	266
1985	NA	NA	55	2711 E	3382 E	NA	13.9	NA	NA	NA	4.0	243
1986	NA	NA	60 E	2580 E	3135 E	NA	14.0	NA	NA	NA	4.3	223
1987	NA	NA	55 E	NA	NA	NA	14.3	NA	NA	NA	3.8	NA
1988	NA	NA	55	NA	NA	NA	14.6	NA	NA	NA	3.8	NA
1989	NA	NA	55	2816 E	3055 E	NA	15.0	NA	NA	NA	3.7	204
1990	433	450	55	NA	NA	3200 E	15.3	NA	14.1	29	3.6	NA
1991	NA	NA	55	NA	NA	NA	15.7	NA	NA	NA	3.5	NA
Albania												
1981	134	200	41	NA	NA	1744	2.7	NA	11.5	73	15.2	NA
1982	134	188	42	NA	NA	NA	2.8	NA	NA	68	15.0	NA
1983	130	176	42	NA	NA	1688	2.8	NA	10.4	62	14.9	NA
1984	143	185	42	NA	NA	1681	2.9	NA	11.0	64	14.4	NA
1985	143	178	42	2700	3369	1634	3.0	5.3	10.9	60	14.2	1138
1986	NA	NA	42	2800	3402	NA	3.0	NA	NA	NA	13.9	1127
1987	151 E	178 E	42	2940 E	3462 E	1601 E	3.1	5.1	11.1	58	13.7	1125
1988	157 E	178 E	42	3087 E	3500 E	1562 E	3.1	5.1	11.4	57	13.4	1115
1989	157 E	170 E	43	3800 E	4123 E	NA	3.2	4.1	NA	53	13.5	1289
1990	NA	NA	48	4100 E	4264 E	NA	3.2	NA	NA	NA	14.8	1313
1991	NA	NA	48	2700 E	2700 E	NA	3.3	NA	NA	NA	14.7	826
Algeria	E,b	E,b										
1981	1145	1709	101	22370	33400	10550	19.5	5.1	16.2	88	5.2	1714
1982	1179	1657	120	25270	35520	12770	20.1	4.7	13.0	82	6.0	1764
1983	941	1272	130	27820	37580	14450	20.8	3.4	8.8	61	6.2	1807
1984	1013	1310	170	30690	39680	15690	21.5	3.3	8.3	61	7.9	1847
1985	850	1060	170	33610	41930	16870	22.2	2.5	6.3	48	7.7	1890
1986	998	1213	180	34440	41840	16200	22.8	2.9	7.5	53	7.9	1832
1987	986	1161	170	35050	41270	15200	23.5	2.8	7.6	49	7.2	1757
1988	1145	1298	126	35350	40090	13850	24.1	3.2	9.4	54	5.2	1663
1989	1133	1229	126	38580	41860	NA	24.7	2.9	NA	50	5.1	1692
1990	812	845	126	39670	41260	10990	25.4	2.0	7.7	33	5.0	1626
1991	730	730	126	40690	40690	NA	26.0	1.8	NA	28	4.8	1564
Angola	E	E				E						
1981	NA	NA	53	2453	3662	NA	7.0	NA	NA	NA	7.6	527
1982	NA	NA	54	2747	3861	2934	7.1	NA	NA	NA	7.6	543
1983	518	700	54	2940	3979	2435	7.3	17.6	28.7	96	7.4	547
1984	NA	NA	60 E	3704	4789	NA	7.4	NA	NA	NA	8.1	647
1985	NA	NA	66 E	3943	4919	NA	7.6	NA	NA	NA	8.7	650
1986	1107	1344	70 E	4626	5620	NA	7.8	23.9	NA	173	9.0	725
1987	NA	NA	74 E	5482	6455	NA	7.9	NA	NA	NA	9.4	816
1988	NA	NA	107	5786	6560	3572	8.1	NA	NA	NA	13.2	811
1989	NA	NA	107	5977	6485	NA	8.3	NA	NA	NA	12.9	785
1990	NA	NA	115	NA	NA	NA	8.4	NA	NA	NA	13.6	NA
1991	NA	NA	150	NA	NA	NA	8.7	NA	NA	NA	17.3	NA

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1991		Current	Constant 1991							
Thousands	Current	Constant 1991	Thousands	Current	Constant 1991	Constant 1991	Millions	%	%	Constant 1991 dollars	Soldiers	Constant 1991 dollars
Argentina												
1981	3185	4755	155	83880	125200	32180	28.6	3.8	14.8	166	5.4	4371
1982	5389	7575	175	83140	116900	29240	29.0	6.5	25.9	261	6.0	4023
1983	4085	5517	175	88410	119400	36900	29.5	4.6	14.9	187	5.9	4055
1984	4570 E	5910 E	174	94790	122600	26290	29.8	4.8	22.5	198	5.8	4106
1985	3621 E	4517 E	129	95020	118600	36510	30.2	3.8	12.4	149	4.3	3920
1986	4070 E	4945 E	104	104700	127200	31080	30.6	3.9	15.9	161	3.4	4152
1987	3945	4645	118	110300	129900	31140	31.0	3.6	14.9	150	3.8	4189
1988	3940	4468	95	111300	126300	20210	31.4	3.5	22.1	142	3.0	4021
1989	3822	4147	95	109700	119000	17500	31.8	3.5	23.7	130	3.0	3746
1990	2979	3099	85	115700	120300	7366 E	32.2	2.6	42.1	96	2.6	3742
1991	2449	2449	70	129600	129600	9430 E	32.5	1.9	26.0	75	2.2	3984
Australia												
1981	3552	5303	72	151300	225900	54330	14.9	2.3	9.8	355	4.8	15140
1982	3994	5615	73	157700	221700	55900	15.2	2.5	10.0	370	4.8	14600
1983	4520	6105	73	173400	234200	62110	15.4	2.6	9.8	397	4.7	15220
1984	4990	6453	71	189000	244400	68070	15.6	2.6	9.5	414	4.6	15690
1985	5445	6793	70	203500	253900	72130	15.8	2.7	9.4	430	4.4	16080
1986	5523	6710	71	213800	259800	73640	16.0	2.6	9.1	419	4.4	16220
1987	6047	7120	70	230100	270900	73380	16.3	2.6	9.7	438	4.3	16660
1988	5640	6395	71	247200	280300	70290	16.5	2.3	9.1	387	4.3	16950
1989	5824	6319	70	263800	286200	69140	16.8	2.2	9.1	376	4.1	17020
1990	6434	6692	68	274000	284900	72520	17.1	2.3	9.2	392	4.0	16690
1991	7400	7400	68	287700	287700	78290	17.3	2.6	9.5	427	3.9	16600
Austria												
1981	970	1448	40	85060	127000	50380	7.6	1.1	2.9	191	5.3	16790
1982	1044	1468	40	91320	128400	51640	7.6	1.1	2.8	194	5.3	16950
1983	1125	1520	50	97000	131000	53840	7.6	1.2	2.8	201	6.6	17350
1984	1203	1555	40	102800	132900	54030	7.6	1.2	2.9	206	5.3	17590
1985	1291	1610	40	109300	136400	54900	7.6	1.2	2.9	213	5.3	18040
1986	1434	1743	39	113200	137500	56790	7.6	1.3	3.1	230	5.2	18180
1987	1517	1786	70	118700	139700	56970	7.6	1.3	3.1	236	9.2	18450
1988	1511	1713	55	128200	145400	59600	7.6	1.2	2.9	226	7.2	19140
1989	1482	1608	48	139200	151000	59000	7.6	1.1	2.7	211	6.3	19800
1990	1636	1701	43	152000	158100	62620	7.7	1.1	2.7	220	5.6	20480
1991	1667	1667	44	162200	162200	66030	7.8	1.0	2.5	213	5.6	20760
Bahrain												
					E							
1981	215	320	2	3428	5117	1691	0.4	6.3	19.0	882	5.5	14080
1982	281	394	2	3545	4983	1952	.4	7.9	20.2	1037	5.3	13110
1983	166	224	2	3573	4827	2108	.4	4.6	10.6	563	5.0	12140
1984	148	191	3	3753	4852	1878	.4	3.9	10.2	461	7.2	11690
1985	151	188	3	3413	4258	1751	.4	4.4	10.7	434	6.9	9846
1986	161	195	4E	2886	3506	1653	.4	5.6	11.8	435	7.8	7806
1987	160	189	4E	2883	3395	1679	.5	5.6	11.2	405	8.6	7283
1988	187	212	5	2913	3303	1053	.5	6.4	20.2	439	10.3	6831
1989	196	212	5	3321	3603	1607	.5	5.9	13.2	424	10.2	7188
1990	216	225	8	3561	3703	1077	.5	6.1	20.8	433	15.4	7143
1991	278	278	8	3636	3636	1069	.5	7.7	26.0	520	15.0	6798

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1991		Thousands	Current	Constant 1991	Constant 1991	Millions	%	%	Constant 1991 dollars	Soldiers
Bangladesh												
1981	155	231	77	10220	15260	2447	90.7	1.5	9.4	3	0.8	168
1982	195	275	77	11170	15700	2315	93.5	1.7	11.9	3	.8	168
1983	258	349	81	12160	16420	1990	96.2	2.1	17.5	4	.8	171
1984	252	326	91	13370	17280	2043	98.8	1.9	16.0	3	.9	175
1985	250	312	91	14380	17940	2396	101.4	1.7	13.0	3	.9	177
1986	262	318	95 E	15370	18680	NA	103.8	1.7	NA	3	.9	180
1987	304	358	100 E	16540	19480	NA	106.3	1.8	NA	3	.9	183
1988	296	336	102	17670	20040	NA	108.8	1.7	NA	3	.9	184
1989	302	327	103	18970	20580	3089	111.4	1.6	10.6	3	.9	185
1990	326	339	102	21100	21940	NA	114.0	1.5	NA	3	.9	192
1991	312	312	102	22700	22700	3700	116.7	1.4	8.4	3	.9	195
Barbados												
1981	12	18	1	1048	1564	527	0.3	1.1	3.4	71	4.0	6212
1982	9	12	1	1054	1482	484	.3	.8	2.5	49	4.0	5876
1983	10	13	1	1086	1467	467	.3	.9	2.8	51	4.0	5806
1984	11	15	1	1178	1523	506	.3	1.0	2.9	59	3.9	6014
1985	13	16	1	1231	1536	527	.3	1.0	3.0	61	3.9	6053
1986	8	10	1	1380	1677	558	.3	.6	1.8	41	2.0	6597
1987	8	10	1	1427	1681	630	.3	.6	1.6	39	2.0	6607
1988	11	12	0	1555	1763	645	.3	.7	1.9	48	1.7	6933
1989	10	11	0	1711	1856	638	.3	.6	1.7	42	1.4	7298
1990	NA	NA	0	1698	1766	607 E	.3	NA	NA	NA	1.8	6940
1991	NA	NA	0	1722	1722	540 E	.3	NA	NA	NA	1.6	6763
Belgium												
1981	3712	5542	110	104800	156400	90190	9.9	3.5	6.1	562	11.1	15880
1982	3870	5440	109	112200	157700	91260	9.9	3.4	6.0	552	11.0	16000
1983	3945	5328	109	117300	158400	92670	9.9	3.4	5.7	541	11.1	16070
1984	3989	5157	107	125400	162100	97840	9.9	3.2	5.3	523	10.9	16450
1985	4038	5038	107	130600	163000	95800	9.9	3.1	5.3	511	10.9	16530
1986	4214	5119	107	136500	165800	93290	9.9	3.1	5.5	519	10.8	16810
1987	4341	5111	109	144000	169600	91310	9.9	3.0	5.6	518	11.0	17180
1988	4292	4867	110	156900	177900	91290	9.9	2.7	5.3	492	11.1	18000
1989	4350	4720	110	170800	185300	91480	9.9	2.5	5.2	475	11.1	18640
1990	4486	4665	106	183400	190800	94840	10.0	2.4	4.9	468	10.6	19150
1991	4625	4625	101	195600	195600	98980 E	10.0	2.4	4.7	463	10.1	19580
Benin												
1981	25	38	6	1021	1524	260	3.5	2.5	14.6	11	1.7	430
1982	NA	NA	6	1113	1565	323	3.6	NA	NA	NA	1.6	430
1983	28	38	6	1100	1485	NA	3.7	2.5	NA	10	1.6	396
1984	29	38	6	1235	1597	367	3.9	2.4	10.2	10	1.6	413
1985	NA	NA	6	1370	1709	NA	4.0	NA	NA	NA	1.5	429
1986	32	39	4	1440	1750	NA	4.1	2.2	NA	9	1.0	426
1987	NA	NA	4	1465	1725	352 E	4.2	NA	NA	NA	.9	407
1988	38	43	5	1550	1757	241	4.4	2.4	17.7	10	1.1	401
1989	35	38	5	1560	1693	196	4.5	2.2	19.4	8	1.0	374
1990	35	36	6	1695	1763	NA	4.7	2.0	NA	8	1.3	377
1991	NA	NA	7	1855	1855	NA	4.8	NA	NA	NA	1.4	384

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1991		Current	Constant 1991	Constant 1991		Millions	%	%	Constant 1991 dollars	Soldiers
Bolivia												
1981	103	154	26	3165	4725	775	5.6	3.3	19.8	28	4.7	848
1982	56	78	26	3133	4404	1581	5.7	1.8	4.9	14	4.5	770
1983	39	53	27	3137	4237	1099	5.9	1.2	4.8	9	4.6	723
1984	65	84	28	3270	4228	NA	6.0	2.0	NA	14	4.7	703
1985	NA	NA	28	3287	4101	NA	6.2	NA	NA	NA	4.5	665
1986	112 E	136 E	30E	3343	4062	602	6.3	3.3	22.6	21	4.7	642
1987	161	190	30E	3609	4249	567	6.5	4.5	33.5	29	4.6	655
1988	166	188	28	3864	4381	678	6.7	4.3	27.8	28	4.2	658
1989	151	164	30	4170	4524	761	6.8	3.6	21.5	24	4.4	663
1990	158	164	30	4481	4661	873	7.0	3.5	18.8	24	4.3	667
1991	117	117	33	4875	4875	918	7.2	2.4	12.8	16	4.6	681
Botswana												
1981	27	41	3	888	1325	516	0.9	3.1	7.9	43	3.2	1414
1982	27	38	3	1023	1438	660	1.0	2.7	5.8	40	3.1	1489
1983	30	41	3	1193	1611	664	1.0	2.5	6.2	41	3.0	1619
1984	38	49	3	1320	1707	816	1.0	2.8	6.0	47	2.9	1664
1985	37	46	3	1416	1767	780	1.1	2.6	5.8	43	2.8	1671
1986	53	65	4	1581	1921	872	1.1	3.4	7.4	59	3.7	1762
1987	99	117	4	1745	2055	1078	1.1	5.7	10.9	104	3.6	1830
1988	113	128	4	2005	2274	1236	1.2	5.6	10.3	110	3.5	1966
1989	110	120	6	2458	2667	1201	1.2	4.5	10.0	101	5.0	2240
1990	128	133	6	2826	2940	1519	1.2	4.5	8.7	108	4.9	2401
1991	159	159	7	3252	3252	NA	1.3	4.9	NA	126	5.2	2584
Brazil												
1981	1593	2378	450	220200	328800	92730	126.1	0.7	2.6	19	3.6	2608
1982	2166	3045	460	232200	326400	94730	129.1	.9	3.2	24	3.6	2528
1983	2094	2829	460	232200	313600	102700	132.2	.9	2.8	21	3.5	2373
1984	2147	2776	459	255700	330600	100400	135.1	.8	2.8	21	3.4	2446
1985	2356	2940	496	287300	358400	142900	138.1	.8	2.1	21	3.6	2596
1986	3009	3655	527	320600	389500	146700	141.0	.9	2.5	26	3.7	2763
1987	3567	4201	541	345800	407200	197800	143.9	1.0	2.1	29	3.8	2831
1988	5079	5759	319	356800	404500	247100	146.8	1.4	2.3	39	2.2	2757
1989	5839	6335	319	383500	416000	465900	149.6	1.5	1.4	42	2.1	2780
1990	6617	6882	295	383900	399300	329600	152.5	1.7	2.1	45	1.9	2618
1991	5295	5295	295	404100	404100	NA	155.4	1.3	NA	34	1.9	2601
Bulgaria												
1981	4416 E	6593 E	188	34420	51390	21620	8.9	12.8	30.5	743	21.2	5794
1982	5152 E	7242 E	188	37810	53150	22440	8.9	13.6	32.3	814	21.1	5977
1983	5343 E	7217 E	189	38540	52060	21620	8.9	13.9	33.4	810	21.2	5843
1984	5510 E	7125 E	189	41270	53370	22060	8.9	13.4	32.3	798	21.2	5977
1985	5808 E	7246 E	189	41220	51420	22280	8.9	14.1	32.5	810	21.2	5750
1986	6215 E	7551 E	190	43410	52740	26110	9.0	14.3	28.9	843	21.2	5887
1987	6451 E	7596 E	191	44870	52830	25770	9.0	14.4	29.5	847	21.3	5889
1988	5868 E	6654 E	160	47970	54390	21450	9.0	12.2	31.0	741	17.8	6055
1989	5885 E	6385 E	150	49590	53800	21480	9.0	11.9	29.7	710	16.6	5984
1990	3887 R	4043 R	129	45290 E	47100 E	NA	9.0	8.6	NA	451	14.4	5254
1991	1464 R	1464 R	107	36900 E	36900 E	NA	8.9	4.0	NA	164	12.0	4140

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Million dollars			Million dollars									Million dollars
	Current	Constant 1991		Current	Constant 1991								Constant 1991
Burkina Faso													
1981	32	47	8	1262	1885	273	7.1	2.5	17.3	7	1.1	265	
1982	36	50	9	1465	2059	284	7.3	2.5	17.8	7	1.2	283	
1983	37	50	9	1530	2067	240	7.5	2.4	20.7	7	1.2	277	
1984	38	49	9	1576	2038	277	7.7	2.4	17.7	6	1.2	266	
1985	39	49	9	1780	2221	260	7.9	2.2	18.7	6	1.1	282	
1986	57	69	9 E	1918	2330	314	8.1	3.0	22.1	9	1.1	288	
1987	51	60	9	2006	2362	344	8.3	2.5	17.3	7	1.1	284	
1988	55	63	8	2204	2500	358	8.6	2.5	17.5	7	.9	292	
1989	NA	NA	8	2378	2580	343	8.8	NA	NA	NA	.9	293	
1990	74 E	77 E	10	2489	2588	NA	9.1	3.0	NA	8	1.1	285	
1991	100 E	100 E	10	2741	2741	NA	9.4	3.6	NA	11	1.1	293	
Burma													
1981	527	787	210	14720	21980	3626	34.3	3.6	21.7	23	6.1	641	
1982	532	748	210	16490	23180	3941	35.0	3.2	19.0	21	6.0	662	
1983	555	750	210	17780	24010	3865	35.8	3.1	19.4	21	5.9	671	
1984	576	745	210	19400	25090	4022	36.6	3.0	18.5	20	5.7	686	
1985	633	790	210	20670	25780	4195	37.3	3.1	18.8	21	5.6	692	
1986	625 E	759 E	210 E	20990	25490	4276	38.0	3.0	17.8	20	5.5	671	
1987	632 E	745 E	210 E	20860	24560	3466	38.7	3.0	21.5	19	5.4	634	
1988	568 E	644 E	186	19260	21840	2714	39.5	2.9	23.7	16	4.7	553	
1989	788	855	200	21640	23480	3391	40.3	3.6	25.2	21	5.0	583	
1990	949	987	200	24060	25030	4352	41.0	3.9	22.7	24	4.9	610	
1991	1280	1280	200	22200 E	22200 E	9300 E	41.8	5.8	13.8	31	4.8	531	
Burundi													
1981	21	31	7	535	798	193	4.2	3.9	16.2	7	1.7	189	
1982	20	29	7	559	786	194	4.3	3.6	14.8	7	1.6	181	
1983	22	30	7	603	814	193	4.5	3.7	15.7	7	1.5	180	
1984	21	27	8 E	628	812	112	4.7	3.3	23.8	6	1.7	174	
1985	21	27	9 E	725	904	129	4.8	3.0	20.8	6	1.9	188	
1986	26	32	10 E	768	933	136	5.0	3.4	23.3	6	2.0	188	
1987	28	32	10 E	830	978	155	5.1	3.3	21.0	6	1.9	191	
1988	28	32	11	908	1030	165	5.3	3.1	19.3	6	2.1	195	
1989	25	27	11	968	1050	191	5.5	2.6	14.2	5	2.0	192	
1990	26	27	12	1048	1090	201	5.6	2.5	13.6	5	2.1	193	
1991	28	28	12	1147	1147	205	5.8	2.4	13.4	5	2.1	197	
Cambodia													
				E	E	E							
1981	NA	NA	20	600	896	299	5.8	NA	NA	NA	3.5	155	
1982	NA	NA	20	NA	NA	NA	5.9	NA	NA	NA	3.4	NA	
1983	NA	NA	20	NA	NA	NA	6.0	NA	NA	NA	3.3	NA	
1984	NA	NA	30	NA	NA	NA	6.1	NA	NA	NA	4.9	NA	
1985	NA	NA	35	NA	NA	NA	6.2	NA	NA	NA	5.6	NA	
1986	NA	NA	40 E	NA	NA	NA	6.4	NA	NA	NA	6.3	NA	
1987	NA	NA	50 E	NA	NA	NA	6.5	NA	NA	NA	7.7	NA	
1988	NA	NA	60	NA	NA	NA	6.7	NA	NA	NA	9.0	NA	
1989	NA	NA	99	NA	NA	NA	6.8	NA	NA	NA	14.5	NA	
1990	NA	NA	99	NA	NA	NA	7.0	NA	NA	NA	14.2	NA	
1991	NA	NA	99	930	930	NA	7.1	NA	NA	NA	13.9	130	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Million dollars			Million dollars									Million dollars
	Current	Constant 1991		Current	Constant 1991								Constant 1991
Thousands	Current	Constant 1991	Thousands	Current	Constant 1991	Constant 1991	Millions	%	%	Constant 1991 dollars	Soldiers	Constant 1991 dollars	
Cameroon													
1981	69	102	14	6553	9783	2027	9.0	1.0	5.0	11	1.6	1090	
1982	78	110	14	7355	10340	2135	9.2	1.1	5.1	12	1.5	1122	
1983	166	224	15	8256	11150	2726	9.5	2.0	8.2	24	1.6	1174	
1984	175	227	15	9106	11770	2858	9.8	1.9	7.9	23	1.5	1201	
1985	202	251	15	10160	12680	3015	10.1	2.0	8.3	25	1.5	1251	
1986	235 E	285 E	15	11420	13870	3154	10.5	2.1	9.0	27	1.4	1324	
1987	216	255	15 E	11180	13160	3032	10.8	1.9	8.4	24	1.4	1216	
1988	155	176	21	10750	12190	NA	11.2	1.4	NA	16	1.8	1091	
1989	162	175	21	10850	11770	2647	11.5	1.5	6.6	15	1.8	1022	
1990	178	186	23	10970	11410	NA	11.9	1.6	NA	16	1.9	962	
1991	168	168	24	10400	10400	NA	12.3	1.6	NA	14	2.0	849	
Canada													
1981	5530	8256	81	300800	449100	105900	24.4	1.8	7.8	339	3.3	18430	
1982	6578	9247	81	308600	433800	113600	24.6	2.1	8.1	376	3.3	17630	
1983	6899	9318	81	333300	450200	118100	24.8	2.1	7.9	376	3.3	18150	
1984	8054	10410	82	369700	478000	127600	25.0	2.2	8.2	417	3.3	19130	
1985	9018	11250	83	401500	500900	130400	25.2	2.2	8.6	447	3.3	19890	
1986	9608	11670	85	424800	516100	127000	25.4	2.3	9.2	460	3.4	20340	
1987	10110	11900	86	457500	538700	127700	25.6	2.2	9.3	464	3.4	21010	
1988	10560	11970	88	498200	564900	128900	25.9	2.1	9.3	462	3.4	21780	
1989	10960	11890	88	531200	576400	138100	26.3	2.1	8.6	452	3.3	21910	
1990	11610	12080	87	549000	571000	141300 E	26.6	2.1	8.5	454	3.3	21450	
1991	11510	11510	86	562500	562500	146200 E	27.0	2.0	7.9	427	3.2	20840	
Cape Verde													
1981	16	25	4	118	177	NA	0.3	13.9	NA	82	13.3	587	
1982	NA	NA	4	131	184	NA	.3	NA	NA	NA	13.0	599	
1983	NA	NA	4	147	198	NA	.3	NA	NA	NA	12.8	634	
1984	NA	NA	6	162	210	NA	.3	NA	NA	NA	18.8	657	
1985	NA	NA	6	184	230	NA	.3	NA	NA	NA	18.3	702	
1986	NA	NA	4	193	234	NA	.3	NA	NA	NA	11.9	699	
1987	NA	NA	4	221	260	NA	.3	NA	NA	NA	11.6	755	
1988	NA	NA	3	237	269	176 E	.4	NA	NA	NA	8.5	759	
1989	NA	NA	3	266	288	NA	.4	NA	NA	NA	8.2	793	
1990	NA	NA	1	285	296	NA	.4	NA	NA	NA	2.7	790	
1991	NA	NA	1	305	305	NA	.4	NA	NA	NA	2.6	790	
Central African Republic													
1981	17	25	4	737	1100	244	2.3	2.2	10.1	11	1.7	474	
1982	17	23	5	836	1175	NA	2.4	2.0	NA	10	2.1	495	
1983	15	21	4	796	1076	NA	2.4	1.9	NA	9	1.6	443	
1984	NA	NA	5	910	1177	289	2.5	NA	NA	NA	2.0	470	
1985	NA	NA	5	978	1220	342	2.6	NA	NA	NA	1.9	474	
1986	NA	NA	5	1031	1253	327	2.6	NA	NA	NA	1.9	478	
1987	18 E	21 E	5	1004	1182	334	2.7	1.8	6.4	8	1.9	442	
1988	NA	NA	5	1071	1215	316	2.7	NA	NA	NA	1.9	444	
1989	20	21	5	1151	1248	323 E	2.8	1.7	6.6	8	1.8	445	
1990	21	22	4	1211	1259	NA	2.9	1.7	NA	8	1.4	438	
1991	NA	NA	4	1236	1236	193 E	3.0	NA	NA	NA	1.4	419	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Million dollars			Million dollars									Million dollars
	Current	Constant 1991		Current	Constant 1991								Constant 1991
Chad													
1981	NA	NA	NA	469	700	NA	4.1	NA	NA	NA	NA	171	
1982	NA	NA	NA	524	737	NA	4.3	NA	NA	NA	NA	172	
1983	7	10	NA	629	849	NA	4.4	1.1	NA	2	NA	192	
1984	9	12	16	664	859	NA	4.4	1.4	NA	3	3.6	194	
1985	15	18	16	844	1053	NA	4.4	1.7	NA	4	3.6	238	
1986	30	37	22	828	1006	276	4.5	3.6	13.3	8	4.9	223	
1987	36	42	30	833	981	330	4.7	4.3	12.7	9	6.5	211	
1988	38	43	33	999	1132	315	4.8	3.8	13.6	9	6.9	237	
1989	53	58	33	1095	1188	416	4.9	4.9	13.9	12	6.7	243	
1990	59	62	50	1142	1188	373	5.0	5.2	16.5	12	10.0	236	
1991	67	67	50	1291	1291	403	5.1	5.2	16.5	13	9.7	252	
Chile	d	d											
1981	565	844	116	14930	22300	7113	11.3	3.8	11.9	75	10.3	1976	
1982	564	793	116	13220	18580	6325	11.5	4.3	12.5	69	10.1	1617	
1983	572	772	126	13520	18270	6101	11.7	4.2	12.7	66	10.8	1563	
1984	627	811	123	14810	19150	6839	11.9	4.2	11.9	68	10.4	1612	
1985	636	794	124	15490	19330	6938	12.1	4.1	11.4	66	10.3	1602	
1986	607	737	127	16770	20370	6751	12.3	3.6	10.9	60	10.3	1662	
1987	839 E	988 E	127	18690	22010	6890	12.5	4.5	14.3	79	10.1	1766	
1988	838 E	950 E	96	20900	23700	7496	12.7	4.0	12.7	75	7.6	1870	
1989	819 E	888 E	95	24310	26380	NA	12.9	3.4	NA	69	7.4	2046	
1990	938 E	976 E	95	26280	27330	7470 E	13.1	3.6	13.1	74	7.2	2085	
1991	1010 E	1010 E	90	29500	29500	8300 E	13.3	3.4	12.2	76	6.8	2215	
China													
—Mainland	E	E											
1981	34310	51220	4750	417600	623400	145600	994.9	8.2	35.2	51	4.8	627	
1982	36720	51620	4350	482200	677800	150500	1008.2	7.6	34.3	51	4.3	672	
1983	37380	50480	4100	553200	747300	166300	1022.7	6.8	30.4	49	4.0	731	
1984	38340	49580	4100	662400	856500	190300	1035.8	5.8	26.1	48	4.0	827	
1985	39720	49560	4100	773700	965300	208100	1049.6	5.1	23.8	47	3.9	920	
1986	39930	48510	4030	860400	1045000	251300	1064.9	4.6	19.3	46	3.8	982	
1987	41590	48970	3530	985300	1160000	251400	1082.3	4.2	19.5	45	3.3	1072	
1988	43870	49740	3783	1139000	1291000	249300	1099.7	3.9	20.0	45	3.4	1174	
1989	45240	49080	3903	1242000	1347000	257300	1116.4	3.6	19.1	44	3.5	1207	
1990	50310	52330	3500	1369000	1424000	267700	1133.7	3.7	19.5	46	3.1	1256	
1991	51040	51040	3200	1528000	1528000	293400	1151.5	3.3	17.4	44	2.8	1327	
—Taiwan													
1981	3678	5490	461	57420	85720	NA	18.2	6.4	NA	302	25.4	4716	
1982	4857	6828	457	63450	89200	14580	18.5	7.7	46.8	369	24.7	4821	
1983	5583	7541	454	71750	96910	15590	18.8	7.8	48.4	401	24.1	5154	
1984	5343	6909	470	83630	108100	14750	19.1	6.4	46.8	362	24.6	5667	
1985	6439 E	8033 E	440	91490	114100	16070 E	19.3	7.0	50.0	415	22.8	5903	
1986	6863 E	8338 E	390	105800	128500	16670 E	19.6	6.5	50.0	426	19.9	6571	
1987	5557 E	6543 E	365	122100	143800	15760 E	19.8	4.6	41.5	331	18.5	7276	
1988	6712 E	7610 E	390	136700	155000	24280	20.0	4.9	31.3	381	19.5	7760	
1989	8224 E	8923 E	379	153400	166400	29400	20.2	5.4	30.3	442	18.7	8234	
1990	9063 E	9426 E	405	168000	174700	NA	20.4	5.4	NA	461	19.8	8551	
1991	9748	9748	424	187300	187300	30100 E	20.7	5.2	32.4	472	20.5	9068	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars				GNP	CGE			
	Current	Constant 1991		Current	Constant 1991	Constant 1991		Millions	%	%	Constant 1991 dollars	Soldiers
Colombia												
1981	202	302	65	19850	29630	4380	27.2	1.0	6.9	11	2.4	1091
1982	316	444	70	21090	29640	4864	27.8	1.5	9.1	16	2.5	1068
1983	297	401	70	22210	30000	4793	28.4	1.3	8.4	14	2.5	1057
1984	339	438	70	23750	30710	4902	29.0	1.4	8.9	15	2.4	1058
1985	389 E	485 E	66	24690	30800	4828	29.7	1.6	10.1	16	2.2	1038
1986	395 E	480 E	76 E	26910	32690	4722	30.3	1.5	10.2	16	2.5	1078
1987	449 E	529 E	86 E	29290	34490	4978	31.0	1.5	10.6	17	2.8	1113
1988	558	633	76	31980	36260	5366	31.7	1.7	11.8	20	2.4	1145
1989	694 E	753 E	91	34290	37200	5793	32.3	2.0	13.0	23	2.8	1151
1990	867	902	110	37190	38680	4499 E	33.0	2.3	20.0	27	3.3	1173
1991	1037	1037	110	39930	39930	5049 E	33.6	2.6	20.5	31	3.3	1187
Congo												
1981	43	64	14	1237	1846	791	1.7	3.5	8.1	38	8.3	1099
1982	66	93	11	1589	2234	1217	1.7	4.2	7.6	53	6.3	1282
1983	64	87	11	1739	2349	996	1.8	3.7	8.7	48	6.1	1300
1984	NA	NA	15	1906	2465	1167	1.9	NA	NA	NA	8.0	1309
1985	79 E	98 E	15	1948	2431	1067	1.9	4.0	9.2	51	7.7	1254
1986	104 E	127 E	13	1868	2270	1129	2.0	5.6	11.2	64	6.5	1138
1987	102	120	14	1956	2303	949	2.1	5.2	12.6	58	6.8	1122
1988	NA	NA	15	2004	2272	992	2.1	NA	NA	NA	7.0	1075
1989	NA	NA	15	2186	2372	856	2.2	NA	NA	NA	6.8	1089
1990	85	88	9	2299	2391	NA	2.2	3.7	NA	39	4.0	1067
1991	NA	NA	9	2611	2611	NA	2.3	NA	NA	NA	3.9	1131
Costa Rica												
1981	16	24	6	2596	3876	906	2.4	0.6	2.7	10	2.5	1638
1982	16	22	6	2453	3448	758	2.4	.6	3.0	9	2.5	1416
1983	22	29	7	2686	3627	963	2.5	.8	3.0	12	2.8	1447
1984	23	30	8	3066	3965	999	2.6	.8	3.0	12	3.1	1544
1985	21	26	8	3223	4021	951	2.6	.7	2.8	10	3.0	1522
1986	21	26	8	3487	4237	1201	2.7	.6	2.2	10	2.9	1558
1987	24	28	8	3788	4460	1317	2.8	.6	2.2	10	2.9	1595
1988	21	23	8	4044	4586	1250	2.9	.5	1.9	8	2.8	1595
1989	21	23	8	4457	4836	1400	3.0	.5	1.6	8	2.7	1637
1990	20 E	21 E	8	4997	5197	1425	3.0	.4	1.5	7	2.6	1715
1991	20 E	20 E	8	5396	5396	1403	3.1	.4	1.4	6	2.6	1735
Cote d'Ivoire (see Ivory Coast)												
Cuba												
	d	d		E	E							
1981	1200	1791	225	20840	31110	NA	9.7	5.8	NA	184	23.2	3203
1982	1330	1870	230	22770	32010	NA	9.8	5.8	NA	191	23.5	3270
1983	1470	1986	250	25230	34080	NA	9.9	5.8	NA	201	25.3	3447
1984	1386	1792	297	26990	34900	NA	10.0	5.1	NA	180	29.8	3496
1985	1335	1666	297	29520	36830	NA	10.1	4.5	NA	165	29.4	3652
1986	1307	1588	297 E	31420	38170	NA	10.2	4.2	NA	156	29.2	3747
1987	1306	1538	297 E	33700	39680	NA	10.3	3.9	NA	149	28.9	3857
1988	1350	1531	297	34720	39370	NA	10.4	3.9	NA	147	28.6	3787
1989	1377	1494	297	35460	38480	NA	10.5	3.9	NA	142	28.3	3662
1990	1400	1456	297	33690	35040	NA	10.6	4.2	NA	137	27.9	3314
1991	NA	NA	297	26950	26950	NA	10.7	NA	NA	NA	27.6	1584

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars		Million dollars		Constant 1991 dollars	%	%	Soldiers	Constant 1991 dollars
	Current	Constant 1991		Current	Constant 1991	Constant 1991						
Cyprus												
1981	28	42	16	2191	3271	922	0.6	1.3	4.6	67	25.2	5160
1982	51	72	17	2465	3465	1005	.6	2.1	7.1	112	26.5	5409
1983	72	97	10	2676	3614	1179	.6	2.7	8.2	149	15.4	5570
1984	80	103	10	3047	3939	1228	.7	2.6	8.4	157	15.2	5993
1985	85	106	13	3314	4135	1268	.7	2.6	8.3	159	19.5	6216
1986	119 E	144 E	13	3527	4285	1299	.7	3.4	11.1	214	19.3	6366
1987	127	150	13	3889	4579	1381	.7	3.3	10.8	220	19.1	6730
1988	128	145	13	4385	4972	1495	.7	2.9	9.7	211	18.9	7232
1989	168	183	14	4984	5407	1584	.7	3.4	11.5	263	19.9	7781
1990	209	218	10	5540	5762	1749	.7	3.8	12.4	310	14.2	8205
1991	415	415	10	5822	5822	1840	.7	7.1	22.5	585	14.1	8207
Czechoslovakia												
1981	5846 E	8727 E	194	77700	116000	37510	15.3	7.5	23.3	570	12.7	7572
1982	6779 E	9529 E	198	84230	118400	36030	15.4	8.0	26.5	620	12.9	7704
1983	7206 E	9733 E	202	88830	120000	37160	15.4	8.1	26.2	631	13.1	7784
1984	7536 E	9744 E	206	94330	122000	36910	15.5	8.0	26.4	630	13.3	7890
1985	7998 E	9979 E	210	97790	122000	37690	15.5	8.2	26.5	644	13.5	7872
1986	8460 E	10280 E	214	102400	124400	37800	15.5	8.3	27.2	662	13.8	8006
1987	8840 E	10410 E	215	106600	125500	38850	15.6	8.3	26.8	668	13.8	8060
1988	9131 E	10350 E	211	117100	132800	41670	15.6	7.8	24.8	663	13.5	8509
1989	8361 E	9071 E	175	123200	133700	26700	15.6	6.8	33.9	580	11.2	8548
1990	4432 R	4610 R	198	124200 E	129200 E	22860	15.7	3.6	20.2	294	12.6	8248
1991	2804 R	2804 R	154	108500 E	108500 E	16180 E	15.7	2.6	17.3	179	9.8	6914
Denmark												
1981	1755	2620	33	67310	100500	44010	5.1	2.6	6.0	512	6.4	19620
1982	1910	2684	32	73100	102800	46930	5.1	2.6	5.7	525	6.2	20080
1983	1989	2687	30	78170	105600	48660	5.1	2.5	5.5	525	5.9	20640
1984	2040	2638	31	84690	109500	49740	5.1	2.4	5.3	516	6.1	21420
1985	2073	2587	29	91500	114200	49480	5.1	2.3	5.2	506	5.7	22320
1986	2033	2470	28	97450	118400	47350	5.1	2.1	5.2	482	5.5	23120
1987	2201	2592	28	101000	119000	47470	5.1	2.2	5.5	506	5.5	23210
1988	2359	2675	30	106400	120600	49900	5.1	2.2	5.4	521	5.8	23510
1989	2416	2621	31	111800	121300	50470	5.1	2.2	5.2	511	6.0	23640
1990	2535	2637	31	118600	123400	51530	5.1	2.1	5.1	513	6.0	24000
1991	2672	2672	30	125100	125100	50000 E	5.2	2.1	5.3	519	5.8	24230
Dominican Republic												
1981	58	87	24	3888	5804	976	6.0	1.5	8.9	14	4.0	970
1982	60	84	25	4367	6139	854	6.1	1.4	9.8	14	4.1	1003
1983	60	81	23	4739	6402	935	6.3	1.3	8.7	13	3.7	1023
1984	58	76	22	5016	6486	908	6.4	1.2	8.3	12	3.4	1014
1985	60	75	22	4932	6154	936	6.5	1.2	8.0	11	3.4	942
1986	70	84	21	5251	6379	1008	6.7	1.3	8.4	13	3.1	956
1987	79	93	21	5733	6751	1183	6.8	1.4	7.9	14	3.1	991
1988	62	71	20	5943	6738	1373	7.0	1.0	5.1	10	2.9	969
1989	58	62	21	6617	7179	1098	7.1	.9	5.7	9	3.0	1012
1990	70	72	21	6690	6958	853	7.2	1.0	8.5	10	2.9	962
1991	53	53	21	6832	6832	722 E	7.4	.8	7.4	7	2.8	926

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME	ARMED FORCES PER 1000 PEOPLE	GNP
	Million dollars			Million dollars				GNP	CGE	PER CAPITA		PER CAPITA
	Current	Constant 1991		Current	Constant 1991			Constant 1991	%	%		Constant 1991 dollars
Ecuador												
	E.b	E.b										
1981	202	302	34	5993	8948	1520	8.4	3.4	19.9	36	4.1	1070
1982	218	306	36	6293	8846	1482	8.6	3.5	20.7	36	4.2	1028
1983	212	287	39	6359	8589	1230	8.8	3.3	23.3	32	4.4	971
1984	176	228	39	6778	8764	1263	9.1	2.6	18.1	25	4.3	965
1985	206	257	43	7477	9328	1520	9.3	2.8	16.9	28	4.6	1001
1986	226	275	44	7887	9582	1642	9.6	2.9	16.7	29	4.6	1003
1987	231	271	44	7764	9142	1519	9.8	3.0	17.9	28	4.5	934
1988	219	248	46	8918	10110	1483	10.0	2.5	16.7	25	4.6	1009
1989	168	182	46	9299	10090	1549	10.2	1.8	11.8	18	4.5	985
1990	204	212	53	9860	10250	1641	10.5	2.1	12.9	20	5.1	980
1991	232	232	53	10910	10910	1562	10.7	2.1	14.8	22	5.0	1020
Egypt												
	E.b	E.b										
1981	1185	1769	447	12970	19360	11040	42.9	9.1	16.0	41	10.4	451
1982	2321	3263	447	15230	21410	14700	44.0	15.2	22.2	74	10.2	486
1983	2281	3081	447	17070	23060	13740	45.1	13.4	22.4	68	9.9	511
1984	2589	3348	466	18900	24440	14340	46.2	13.7	23.3	73	10.1	529
1985	2583	3223	466	20190	25190	14560	47.3	12.8	22.1	68	9.9	533
1986	2462	2991	400	21060	25580	15330	48.8	11.7	19.5	61	8.2	524
1987	2539	2990	450	22670	26690	13390	50.0	11.2	22.3	60	9.0	533
1988	2129	2414	452	24870	28200	14270	51.3	8.6	16.9	47	8.8	550
1989	1335	1448	450	27020	29320	13490	52.5	4.9	10.7	28	8.6	558
1990	1083	1126	434	28160	29290	NA	53.8	3.8	NA	21	8.1	544
1991	1022	1022	434	29930	29930	NA	55.1	3.4	NA	19	7.9	543
El Salvador												
1981	122	183	23	3438	5132	1056	4.6	3.6	17.3	40	5.0	1113
1982	143	200	28	3428	4819	983	4.6	4.2	20.4	44	6.1	1053
1983	147 E	198 E	32	3591	4851	870	4.6	4.1	22.8	43	6.9	1048
1984	236 E	305 E	45	3842	4968	981	4.7	6.1	31.0	65	9.6	1056
1985	217 E	271 E	48	4084	5096	932	4.8	5.3	29.1	57	10.0	1064
1986	212	257	48	4218	5124	729	4.9	5.0	35.2	53	9.8	1048
1987	207 E	244 E	49	4476	5271	688	5.0	4.6	35.4	49	9.8	1055
1988	188 E	213 E	45	4730	5364	611	5.1	4.0	34.9	42	8.8	1051
1989	200 E	217 E	45	5003	5427	583	5.2	4.0	37.3	42	8.6	1041
1990	179 E	186 E	55	5433	5651	600	5.3	3.3	31.0	35	10.3	1060
1991	171 E	171 E	60	5858	5858	719	5.5	2.9	23.8	31	11.0	1075
Equatorial Guinea												
1981	NA	NA	2	NA	NA	32	0.3	NA	NA	NA	7.4	NA
1982	NA	NA	2	NA	NA	NA	.3	NA	NA	NA	7.0	NA
1983	NA	NA	2	NA	NA	NA	.3	NA	NA	NA	6.7	NA
1984	NA	NA	3	NA	NA	NA	.3	NA	NA	NA	9.5	NA
1985	NA	NA	3	76	95	NA	.3	NA	NA	NA	9.2	293
1986	NA	NA	2	91	110	NA	.3	NA	NA	NA	6.0	331
1987	NA	NA	2	102	120	NA	.3	NA	NA	NA	5.9	352
1988	NA	NA	1	112	127	30	.4	NA	NA	NA	4.0	363
1989	NA	NA	1	116	126	28	.4	NA	NA	NA	3.9	350
1990	NA	NA	1	130	135	27	.4	NA	NA	NA	2.7	367
1991	NA	NA	1	138	138	NA	.4	NA	NA	NA	2.6	364

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1991		Current	Constant 1991	Constant 1991	Millions	%	%	Constant 1991 dollars	Soldiers	Constant 1991 dollars
Ethiopia												
1981	345 E	515 E	240	3884	5799	1511	39.2	8.9	34.1	13	6.1	148
1982	371 E	521 E	240	4190	5890	1526	40.1	8.9	34.2	13	6.0	147
1983	378 E	510 E	240	4579	6185	2188	41.2	8.2	23.3	12	5.8	150
1984	408 E	527 E	190	4671	6040	1774	42.4	8.7	29.7	12	4.5	142
1985	403 E	503 E	240	4490	5602	1829	43.2	9.0	27.5	12	5.6	130
1986	406	493	300	4906	5960	1972	44.3	8.3	25.0	11	6.8	135
1987	447	526	300	5513	6492	2078	45.7	8.1	25.3	12	6.6	142
1988	NA	NA	250	5833	6614	2395	47.4	NA	NA	NA	5.3	139
1989	798	866	250	6186	6711	2844	49.3	12.9	30.4	18	5.1	136
1990	1384 E	1440 E	250	6318	6572	2762	51.0	21.9	52.1	28	4.9	129
1991	NA	NA	120	6508	6508	2240	52.6	NA	NA	NA	2.3	124
Fiji												
1981	8	12	2	892	1331	392	0.6	0.9	3.2	19	3.1	2058
1982	11	16	2	872	1226	381	.7	1.3	4.2	24	3.0	1860
1983	12	16	NA	868	1172	357	.7	1.4	4.6	24	NA	1744
1984	13	17	3	983	1271	379	.7	1.4	4.6	25	4.4	1854
1985	12	16	4E	975	1216	361	.7	1.3	4.3	22	5.7	1740
1986	13	15	3	1081	1314	380	.7	1.2	4.0	21	3.8	1842
1987	23	27	3	1039	1224	351	.7	2.2	7.6	37	3.8	1700
1988	25	28	4	1086	1231	322	.7	2.3	8.8	39	4.8	1695
1989	30	33	4	1261	1368	394	.7	2.4	8.4	45	4.8	1868
1990	31	32	5	1401	1457	419	.7	2.2	7.7	44	6.8	1973
1991	32	32	5	1464	1464	380 E	.7	2.2	8.5	44	6.7	1967
Finland												
1981	1038	1549	36	64910	96900	29260	4.8	1.6	5.3	323	7.5	20190
1982	1268	1783	36	71180	100100	31380	4.8	1.8	5.7	369	7.5	20730
1983	1360	1837	40	76280	103000	33290	4.9	1.8	5.5	378	8.2	21220
1984	1420	1836	40	82250	106400	32540	4.9	1.7	5.6	376	8.2	21790
1985	1502	1873	40E	88310	110200	34660	4.9	1.7	5.4	382	8.2	22480
1986	1685	2048	37	92600	112500	36300	4.9	1.8	5.6	416	7.4	22880
1987	1650	1942	37	99440	117100	37750	4.9	1.7	5.1	394	7.4	23740
1988	1776	2013	40	109000	123600	38640	4.9	1.6	5.2	407	8.1	24980
1989	1887	2048	39	119200	129300	39220	5.0	1.6	5.2	413	7.9	26060
1990	1986	2066	31	124300	129300	41330	5.0	1.6	5.0	415	6.2	25970
1991	2454	2454	32	120400	120400	41500 E	5.0	2.0	5.9	492	6.4	24110
France												
1981	26410	39420	575	646400	965000	411200	54.1	4.1	9.6	728	10.6	17820
1982	28570	40170	578	700400	984500	444700	54.4	4.1	9.0	738	10.6	18090
1983	30240	40850	578	732100	988900	446900	54.6	4.1	9.1	748	10.6	18100
1984	31520	40760	571	774200	1001000	455000	54.9	4.1	9.0	742	10.4	18220
1985	32630	40710	563	816900	1019000	462800	55.2	4.0	8.8	738	10.2	18470
1986	33580	40800	558	860900	1046000	469600	55.4	3.9	8.7	737	10.1	18880
1987	35750	42090	559	908400	1070000	464900	55.6	3.9	9.1	757	10.0	19230
1988	36970	41920	558	983800	1115000	483400	55.9	3.8	8.7	750	10.0	19960
1989	39060	42380	554	1068000	1158000	492000	56.4	3.7	8.6	751	9.8	20530
1990	40820	42450	550	1136000	1182000	506400	56.7	3.6	8.4	748	9.7	20840
1991	42430	42430	542	1191000	1191000	526100	57.0	3.6	8.1	744	9.5	20900

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME	ARMED FORCES PER 1000 PEOPLE	GNP
	Million dollars			Million dollars				GNP	CGE	PER CAPITA		PER CAPITA
	Current	Constant 1991		Current	Constant 1991			Constant 1991	%	%		Constant 1991 dollars
Gabon												
1981	75	112	7	2888	4312	1863	0.9	2.6	6.0	131	8.2	5048
1982	77	108	7	2920	4105	1713	.9	2.6	6.3	120	7.7	4543
1983	75	102	7	3195	4316	1923	.9	2.4	5.3	108	7.4	4558
1984	72	93	7	3571	4618	1912	1.0	2.0	4.9	94	7.1	4692
1985	101	125	7	3601	4493	1893	1.0	2.8	6.6	124	6.9	4425
1986	165 E	200 E	9	3655	4440	2617 E	1.0	4.5	7.6	193	8.7	4281
1987	143	168	9	3085	3632	NA	1.0	4.6	NA	160	8.6	3461
1988	180 E	204 E	8	3460	3923	1335	1.1	5.2	15.3	193	7.4	3705
1989	146 E	158 E	10	3701	4016	1252	1.1	3.9	12.6	148	8.9	3760
1990	148 E	154 E	9	4100	4264	1131	1.1	3.6	13.7	143	8.4	3957
1991	NA	NA	10	4363	4363	1676	1.1	NA	NA	NA	9.2	4001
Gambia, The												
1981	2	3	1	158	236	80	0.7	1.2	3.6	4	1.5	358
1982	NA	NA	1	190	266	91	.7	NA	NA	NA	1.5	395
1983	NA	NA	1	182	246	NA	.7	NA	NA	NA	1.4	356
1984	NA	NA	1	193	249	NA	.7	NA	NA	NA	1.4	351
1985	NA	NA	1	206	257	NA	.7	NA	NA	NA	1.4	351
1986	NA	NA	1	210	255	NA	.8	NA	NA	NA	1.3	338
1987	1 E	1 E	1	230	270	NA	.8	.5	NA	2	1.3	349
1988	NA	NA	1	255	289	NA	.8	NA	NA	NA	1.3	362
1989	1 E	2 E	2	281	305	79 E	.8	.5	2.0	2	1.8	371
1990	NA	NA	2	308	320	84 E	.8	NA	NA	NA	2.4	377
1991	NA	NA	2	332	332	NA	.9	NA	NA	NA	2.3	380
Germany, East E												
		E						C	C			
1981	7933	11840	231	100300	149700	73060	16.7	7.9	16.2	708	13.8	8944
1982	9102	12790	234	106300	149400	78150	16.7	8.6	16.4	766	14.0	8948
1983	9682	13080	236	112600	152000	81840	16.7	8.6	16.0	783	14.1	9105
1984	10280	13290	240	120000	155200	84780	16.7	8.6	15.7	797	14.4	9301
1985	10810	13490	242	127400	158900	91260	16.7	8.5	14.8	810	14.5	9543
1986	11400	13850	242	132600	161100	91160	16.6	8.6	15.2	832	14.6	9685
1987	12110	14270	241	139100	163800	94870	16.6	8.7	15.0	857	14.5	9843
1988	12770	14480	242	151300	171600	99700	16.7	8.4	14.5	869	14.5	10300
1989	13970	15160	262	159400	172900	101700	16.5	8.8	14.9	916	15.8	10450
1990e	NA	NA	137	134200 R	139600 R	NA	16.2	NA	NA	NA	8.4	8599
Germany, West												
1981	28070	41910	493	828200	1236000	391500	61.7	3.4	10.7	680	8.0	20050
1982	29660	41700	495	869800	1223000	393300	61.6	3.4	10.6	676	8.0	19840
1983	31090	41990	496	922000	1245000	391700	61.4	3.4	10.7	684	8.1	20280
1984	32240	41690	487	992700	1284000	405600	61.2	3.2	10.3	682	8.0	20980
1985	33630	41960	495	1052000	1313000	409200	61.0	3.2	10.3	688	8.1	21510
1986	34130	41470	495	1099000	1335000	406400	61.1	3.1	10.2	679	8.1	21860
1987	35250	41510	495	1151000	1355000	414800	61.1	3.1	10.0	680	8.1	22190
1988	36230	41080	495	1239000	1405000	427400	61.4	2.9	9.6	669	8.1	22890
1989	37820	41030	503	1346000	1461000	429500	62.1	2.8	9.6	661	8.1	23530
1990e	41280	42930	545	1472000	1531000	454800	63.1	2.8	9.4	680	8.6	24260
1991e	39520	39520	457	1586000	1586000	523600	80.0	2.5	7.5	494	5.7	19830

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP
	Million dollars			Million dollars				GNP	CGE			PER CAPITA
	Current	Constant 1991		Current	Constant 1991	Constant 1991	Millions	%	%	Constant 1991 dollars	Soldiers	Constant 1991 dollars
Ghana												
1981	21	32	9	3143	4692	517	10.9	0.7	6.1	3	0.8	430
1982	21	30	9	3106	4366	491	11.1	.7	6.1	3	.8	393
1983	11 E	15 E	8	3090	4174	347	11.9	.4	4.3	1	.7	352
1984	21	27	15	3493	4516	465	12.5	.6	5.8	2	1.2	361
1985	39	48	15	3790	4729	671	12.9	1.0	7.2	4	1.2	366
1986	38	46	9	4080	4956	729	13.5	.9	6.3	3	.7	368
1987	40	48	11	4408	5191	766	13.9	.9	6.2	3	.8	374
1988	22	25	16	4843	5492	803	14.3	.4	3.1	2	1.1	384
1989	31 E	34 E	16	5332	5784	NA	14.7	.6	NA	2	1.1	393
1990	35 E	36 E	9	5759	5990	819 E	15.2	.6	4.4	2	.6	394
1991	37 E	37 E	9	6295	6295	NA	15.7	.6	NA	2	.6	401
Greece												
1981	2745	4098	188	40520	60490	23710	9.7	6.8	17.3	421	19.3	6218
1982	2879	4047	186	43000	60450	31060	9.8	6.7	13.0	413	19.0	6175
1983	2768	3738	177	44510	60120	26180	9.8	6.2	14.3	380	18.0	6106
1984	3387	4380	197	47430	61320	30700	9.9	7.1	14.3	443	19.9	6197
1985	3482	4344	201	50300	62760	31400	9.9	6.9	13.8	437	20.2	6317
1986	3166	3847	202	52220	63450	30820	10.0	6.1	12.5	386	20.3	6366
1987	3346	3939	199	53560	63070	33090	10.0	6.2	11.9	394	19.9	6312
1988	3616	4100	199	58120	65900	34560	10.0	6.2	11.9	410	19.9	6585
1989	3560	3863	201	62730	68060	40850	10.0	5.7	9.5	386	20.1	6793
1990	3832	3986	201	65720	68360	42500 E	10.0	5.8	9.4	397	20.0	6813
1991	3807	3807	205	69120	69120	41680 E	10.0	5.5	9.1	379	20.4	6878
Guatemala												
1981	74	110	27	5496	8206	1384	7.1	1.3	8.0	15	3.8	1156
1982	107 E	151 E	30	5619	7899	1193	7.3	1.9	12.6	21	4.1	1081
1983	118 E	159 E	40	5703	7703	1027	7.5	2.1	15.5	21	5.3	1029
1984	115 E	149 E	40	5930	7667	848	7.7	1.9	17.5	19	5.2	997
1985	101	126	43	6160	7686	746	7.9	1.6	17.0	16	5.4	972
1986	78	95	43	6280	7630	770	8.1	1.2	12.3	12	5.3	938
1987	121	142	43	6721	7914	912	8.4	1.8	15.6	17	5.1	945
1988	123	139	43	7315	8294	1037	8.6	1.7	13.4	16	5.0	963
1989	126	136	43	7909	8580	1052	8.9	1.6	13.0	15	4.9	969
1990	105	109	43	8519	8860	844 E	9.1	1.2	12.9	12	4.7	973
1991	89	89	43	9180	9180	807 E	9.3	1.0	11.0	10	4.6	982
Guinea												
1981	69 E	103 E	28	1412 E	2108 E	1013	5.6	4.9	10.2	18	5.0	377
1982	NA	NA	28	1502 E	2111 E	959	5.7	NA	NA	NA	4.9	370
1983	51 E	69 E	28	1568 E	2118 E	873	5.8	3.3	7.9	12	4.8	363
1984	52 E	67 E	28	1656 E	2141 E	NA	6.1	3.1	NA	11	4.6	353
1985	NA	NA	28	1802 E	2248 E	NA	6.4	NA	NA	NA	4.4	353
1986	NA	NA	24	1833	2227	503	6.6	NA	NA	NA	3.7	340
1987	NA	NA	24	1956	2304	554	6.7	NA	NA	NA	3.6	343
1988	26	30	15	2133	2418	589	6.9	1.2	5.1	4	2.2	351
1989	NA	NA	15	2335	2534	630	7.1	NA	NA	NA	2.1	359
1990	33	34	15	2583	2687	670	7.4	1.3	5.1	5	2.0	363
1991	37	37	15	2771	2771	NA	7.7	1.3	NA	5	1.9	358

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Million dollars			Million dollars									Million dollars
	Current	Constant 1991		Current	Constant 1991								Constant 1991
Thousands			Thousands	Current	Constant 1991	Constant 1991	Millions	%	%	Constant 1991 dollars	Soldiers	Constant 1991 dollars	
Guinea-Bissau													
1981	5	8	12	128	190	103	0.8	4.1	7.6	10	14.9	236	
1982	6	9	9	141	198	108	.8	4.6	8.4	11	10.9	239	
1983	11	15	9	143	193	95	.8	7.9	16.1	18	10.6	228	
1984	6	8	11	157	204	119	.9	4.0	6.9	10	12.7	235	
1985	5	6	11	169	211	132	.9	3.0	4.7	7	12.4	238	
1986	5	6	11	172	209	85	.9	2.7	6.6	6	12.1	231	
1987	4	5	11	184	216	127	.9	2.4	4.1	6	11.8	233	
1988	NA	NA	10	205	232	125	1.0	NA	NA	NA	10.5	244	
1989	NA	NA	10	225	244	163	1.0	NA	NA	NA	10.3	250	
1990	NA	NA	12	232	241	NA	1.0	NA	NA	NA	12.0	242	
1991	NA	NA	12	231	231	NA	1.0	NA	NA	NA	11.7	226	
Guyana													
1981	11	17	7	257	384	302	0.8	4.4	5.6	22	9.2	504	
1982	14	19	7	232	326	371 E	.8	5.8	5.1	25	9.2	428	
1983	12	16	7	220	297	265 E	.8	5.4	6.0	21	9.2	390	
1984	12	16	7	220	285	267 E	.8	5.5	5.9	21	9.2	375	
1985	20	25	7	237	295	335	.8	8.5	7.5	33	9.2	388	
1986	NA	NA	6	233	283	387	.8	NA	NA	NA	7.4	373	
1987	NA	NA	5	200	236	300	.8	NA	NA	NA	6.6	312	
1988	10	11	4	226	256	249	.8	4.3	4.5	15	4.6	340	
1989	5	5	4	257	279	157	.8	1.9	3.3	7	4.7	371	
1990	3	3	4	225	234	187	.7	1.3	1.7	4	4.7	313	
1991	3	3	4	278	278	138	.7	1.0	2.1	4	4.7	374	
Haiti													
1981	36	54	8	1884	2812	565	5.6	1.9	9.6	10	1.4	506	
1982	35	49	8	1930	2713	499	5.2	1.8	9.9	10	1.5	525	
1983	32	43	8	2016	2723	706	5.3	1.6	6.1	8	1.5	517	
1984	34	44	6	2121	2742	545	5.4	1.6	8.1	8	1.1	511	
1985	34	42	6	2210	2757	562	5.5	1.5	7.5	8	1.1	503	
1986	NA	NA	8	2283	2774	490	5.6	NA	NA	NA	1.3	495	
1987	44 E	51 E	8	2347	2763	534	5.7	1.9	9.6	9	1.3	482	
1988	37 E	42 E	8	2395	2716	416	5.9	1.6	10.1	7	1.4	463	
1989	48 E	52 E	9	2484	2695	421	6.0	1.9	12.4	9	1.5	449	
1990	53 E	56 E	8	2595	2699	414	6.1	2.1	13.4	9	1.3	439	
1991	52 E	52 E	8	2596	2596	NA	6.3	2.0	NA	8	1.3	413	
Honduras													
1981	24 E	36 E	17	1458	2176	467	3.7	1.7	7.8	10	4.5	581	
1982	30 E	42 E	17	1480	2080	513	3.8	2.0	8.2	11	4.4	541	
1983	40 E	54 E	19	1564	2112	497	3.9	2.6	10.9	14	4.8	535	
1984	65 E	84 E	20	1707	2207	568	4.1	3.8	14.7	21	4.9	544	
1985	64 E	79 E	21	1838	2293	567	4.2	3.5	14.0	19	5.0	551	
1986	68 E	83 E	20	1876	2279	523	4.3	3.6	15.8	19	4.7	533	
1987	69 E	81 E	20	2067	2434	489	4.4	3.3	16.7	19	4.6	554	
1988	62 E	70 E	19	2268	2572	484	4.5	2.7	14.5	16	4.2	571	
1989	77 E	83 E	19	2481	2691	519	4.7	3.1	16.0	18	4.1	578	
1990	55	57	18	2591	2695	522	4.8	2.1	11.0	12	3.7	561	
1991	47	47	17	2792	2792	510	4.9	1.7	9.1	9	3.4	564	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1991		Thousands	Current	Constant 1991		Constant 1991	Millions	%	%	Constant 1991 dollars
Hungary												
								C	C			
1981	3072 E	4586 E	119	43430	64840	33330	10.7	7.1	13.8	428	11.2	6053
1982	3489 E	4905 E	119	47870	67290	32300	10.7	7.3	15.2	458	11.1	6285
1983	3628 E	4900 E	118	49210	66480	33650	10.7	7.4	14.6	458	11.0	6219
1984	3690 E	4771 E	118	52360	67700	32730	10.7	7.0	14.6	447	11.0	6346
1985	3782 E	4719 E	117	52580	65600	30760	10.6	7.2	15.3	443	11.0	6160
1986	3915 E	4756 E	116	55130	66980	35260	10.6	7.1	13.5	447	10.9	6301
1987	4055 E	4775 E	116	57850	68120	34950	10.6	7.0	13.7	450	10.9	6419
1988	4396 E	4984 E	117	63340	71820	37110	10.4	6.9	13.4	477	11.2	6877
1989	4064 E	4409 E	109	64740	70240	35790	10.4	6.3	12.3	424	10.5	6755
1990	1277 R	1328 R	94	62590 E	65100 E	32570	10.4	2.0	4.1	128	9.1	6281
1991	1261 R	1261 R	87	59260 E	59260 E	NA	10.3	2.1	NA	122	8.4	5727
Iceland												
1981	0	0	0	3314	4947	1427	0.2	0.0	0.0	0	0.0	21430
1982	0	0	0	3556	4999	1601	.2	0	0	0	0	21360
1983	0	0	0	3588	4847	1506	.2	0	0	0	0	20450
1984	0	0	0	3884	5023	1528	.2	0	0	0	0	20970
1985	0	0	0	4205	5246	1661	.2	0	0	0	0	21730
1986	0	0	0	4631	5626	1838	.2	0	0	0	0	23150
1987	0	0	0	5267	6202	1795	.2	0	0	0	0	25350
1988	0	0	0	5435	6163	1839	.2	0	0	0	0	24660
1989	0	0	0	5623	6100	NA	.3	0	NA	0	0	24140
1990	0	0	0	5901	6137	1765	.3	0	0	0	0	24090
1991	0	0	0	6236	6236	1900 E	.3	0	0	0	0	24280
India												
1981	3542	5288	1104	107800	160900	28900	707.4	3.3	18.3	7	1.6	227
1982	4175	5868	1120	118300	166300	31520	722.5	3.5	18.6	8	1.6	230
1983	4667	6304	1250	132000	178300	33830	737.9	3.5	18.6	9	1.7	242
1984	5188	6708	1380	142700	184500	38290	754.0	3.6	17.5	9	1.8	245
1985	5527	6895	1515	155900	194500	43980	770.3	3.5	15.7	9	2.0	253
1986	6064	7367	1492	167500	203400	48840	786.4	3.6	15.1	9	1.9	259
1987	6870	8090	1502	181000	213200	49400	802.7	3.8	16.4	10	1.9	266
1988	6944	7874	1362	206900	234600	52880	819.2	3.4	14.9	10	1.7	286
1989	6742	7314	1257	228000	247300	58230	835.9	3.0	12.6	9	1.5	296
1990	7487	7787	1200	251200	261300	56420 E	852.7	3.0	13.8	9	1.4	306
1991	7189	7189	1200	263100	263100	43970 E	869.5	2.7	16.4	8	1.4	303
Indonesia												
1981	1344	2006	265	41910	62570	16540	158.4	3.2	12.1	13	1.7	395
1982	1440	2025	280	45650	64170	15080	161.9	3.2	13.4	13	1.7	396
1983	1337	1806	280	51690	69820	16300	165.4	2.6	11.1	11	1.7	422
1984	1458	1886	281	57490	74340	15180	168.9	2.5	12.4	11	1.7	440
1985	1447	1805	281	61110	76240	17450	172.3	2.4	10.3	10	1.6	442
1986	1567	1903	278	66650	80970	20510	175.7	2.4	9.3	11	1.6	461
1987	1361	1602	281	71950	84720	18410	179.2	1.9	8.7	9	1.6	473
1988	1403	1590	284	79870	90560	19080	182.5	1.8	8.3	9	1.6	496
1989	1507	1635	285	89710	97330	19850	185.9	1.7	8.2	9	1.5	524
1990	1609	1674	285	100000	104000	21530	189.2	1.6	7.8	9	1.5	550
1991	1732	1732	285	111000	111000	23400	192.4	1.6	7.4	9	1.5	577

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Million dollars			Current	Constant 1991			Constant 1991	GNP	CGE			PER CAPITA
	Current	Constant 1991							%	%			Constant 1991 dollars
Iran													
	b	b											
1981	3285 E	4904 E	260	48140	71870	23700	40.3	6.8	20.7	122	6.5	1783	
1982	3731 E	5245 E	240	57970	81480	24120	41.8	6.4	21.7	125	5.7	1949	
1983	3990 E	5390 E	240	65820	88910	24320	43.3	6.1	22.2	125	5.5	2054	
1984	5036 E	6512 E	335	71050	91870	21740	44.8	7.1	29.9	145	7.5	2051	
1985	5631 E	7026 E	345	76700	95690	20610	46.3	7.3	34.1	152	7.5	2067	
1986	7410 R	9002 R	345E	72090	87590	16300	49.3	10.3	55.2	183	7.0	1776	
1987	6352 R	7479 R	350E	72870	85800	15850	51.2	8.7	47.2	146	6.8	1676	
1988	5854 R	6637 R	654	70770	80240	15660	53.1	8.3	42.4	125	12.3	1512	
1989	4890 R	5305 R	604	76820	83350	14570	55.0	6.4	36.4	96	11.0	1515	
1990	5213 R	5422 R	440	88740	92290	18430	57.0	5.9	29.4	95	7.7	1619	
1991	5647 R	5647 R	465	99760	99760	22700	59.1	5.7	24.9	96	7.9	1689	
Iraq													
	R,b	R,b							f				
1981	6780	10120	392	26650	39790	29780	13.7	25.4	34.0	739	28.6	2904	
1982	11290	15870	404	25250	35490	22620	14.2	44.7	70.2	1120	28.5	2504	
1983	13870	18740	434	35480	47920	NA	14.7	39.1	NA	1279	29.6	3271	
1984	16520	21360	788	37320	48250	NA	15.2	44.3	NA	1409	52.0	3183	
1985	12470	15560	788	32920	41070	NA	15.7	37.9	NA	991	50.2	2617	
1986	13780	16750	800	29060	35300	NA	16.2	47.4	NA	1031	49.2	2173	
1987	13930	16400	900	32340	38080	NA	16.5	43.1	NA	992	54.4	2302	
1988	13740	15580	1000	34230	38810	NA	17.1	40.2	NA	911	58.4	2268	
1989	11020	11960	1000	34450	37370	NA	17.7	32.0	NA	674	56.4	2107	
1990	11890	12370	1390	24790	25790	NA	18.4	48.0	NA	671	75.4	1400	
1991	9459	9459	475	12640	12640	NA	17.9	74.9	NA	528	26.5	705	
Ireland													
1981	308	461	19	19470	29060	16300	3.4	1.6	2.8	134	5.5	8441	
1982	398	560	21	20590	28940	17640	3.5	1.9	3.2	161	6.0	8316	
1983	388	524	18	21090	28490	17530	3.5	1.8	3.0	150	5.1	8131	
1984	401	518	13	22510	29110	17630	3.5	1.8	2.9	147	3.7	8249	
1985	428	534	14	23760	29650	18270	3.5	1.8	2.9	151	4.0	8374	
1986	439	533	14	24420	29670	17950	3.5	1.8	3.0	151	3.9	8379	
1987	431	508	14	26700	31440	18390	3.5	1.6	2.8	143	4.0	8883	
1988	442	501	13	28410	32210	17250	3.5	1.6	2.9	142	3.7	9126	
1989	454	492	13	31190	33840	15580	3.5	1.5	3.2	140	3.7	9631	
1990	564	587	13	35810	37250	17640	3.5	1.6	3.3	167	3.7	10620	
1991	511	511	13	39030	39030	15600	3.5	1.3	3.3	145	3.7	11110	
Israel													
1981	6514	9725	201	28410	42420	34020	3.8	22.9	28.6	2558	52.9	11160	
1982	6359	8939	205	30740	43210	33520	3.9	20.7	26.7	2317	53.1	11200	
1983	7322	9890	205	33120	44740	42410	3.8	22.1	23.3	2590	53.7	11710	
1984	8375	10830	205	34210	44230	41430	3.9	24.5	26.1	2790	52.8	11400	
1985	7519	9380	195	36840	45970	34500	3.9	20.4	27.2	2384	49.6	11680	
1986	6918	8404	180	39840	48400	30050	4.0	17.4	28.0	2111	45.2	12160	
1987	6308	7428	180	44170	52020	30670	4.0	14.3	24.2	1841	44.6	12900	
1988	6110	6928	191	47030	53330	30070	4.1	13.0	23.0	1694	46.7	13040	
1989	6245	6775	191	49580	53790	27060	4.1	12.6	25.0	1633	46.0	12970	
1990	6940	7218	190	54990	57190	29130	4.3	12.6	24.8	1677	44.2	13290	
1991	4992	4992	190	61670	61670	24300	4.5	8.1	20.5	1100	41.9	13590	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME	ARMED FORCES PER 1000 PEOPLE	GNP	
	Million dollars			Constant 1991	Million dollars	Constant 1991		%	%	Constant 1991 dollars		Soldiers	Constant 1991 dollars
	Current	Constant 1991											
Italy													
1981	13050	19480	505	610600	911500	389400	56.5	2.1	5.0	345	8.9	16130	
1982	14730	20710	517	649000	912300	404700	56.6	2.3	5.1	366	9.1	16110	
1983	15600	21060	498	681500	920500	442200	56.8	2.3	4.8	371	8.8	16200	
1984	16660	21540	508	731100	945300	456800	57.0	2.3	4.7	378	8.9	16580	
1985	17150	21400	504	777300	969800	465700	57.1	2.2	4.6	374	8.8	16970	
1986	18440	22410	529	820500	996900	516200	57.2	2.2	4.3	391	9.2	17410	
1987	21280	25050	504	873900	1029000	535300	57.3	2.4	4.7	437	8.8	17940	
1988	22240	25220	506	944300	1071000	510400	57.4	2.4	4.9	439	8.8	18640	
1989	23440	25430	506	1014000	1100000	539100	57.5	2.3	4.7	442	8.8	19120	
1990	23290	24220	493	1078000	1121000	556800	57.7	2.2	4.4	420	8.5	19440	
1991	24340	24340	473	1134000	1134000	571500	57.8	2.1	4.3	421	6.2	19630	
Ivory Coast													
1981	103 E	153 E	7 E	6252	9333	3255 E	8.8	1.6	4.7	17	0.8	1066	
1982	115 E	161 E	7 E	6612	9294	3213 E	9.1	1.7	5.0	18	.8	1021	
1983	81 E	109 E	8 E	6650	8982	2757 E	9.5	1.2	4.0	12	.8	949	
1984	91	118	8 E	6829	8831	3006	9.8	1.3	3.9	12	.8	897	
1985	90	112	8 E	7217	9005	NA	10.2	1.2	NA	11	.8	879	
1986	107 E	130 E	8	7869	9560	2630 E	10.7	1.4	4.9	12	.8	897	
1987	149	176	8	7940	9350	NA	11.1	1.9	NA	16	.7	843	
1988	171	194	8	8127	9215	2111	11.5	2.1	9.2	17	.7	799	
1989	129	140	8	8300	9005	4435 E	12.0	1.6	3.2	12	.7	751	
1990	138	143	15	8374	8710	NA	12.5	1.6	NA	11	1.2	698	
1991	131	131	15	8468	8468	NA	13.0	1.5	NA	10	1.2	652	
Jamaica													
1981	25	37	2	2094	3127	1484	2.3	1.2	2.5	16	0.9	1385	
1982	34	48	2	2273	3195	1483	2.3	1.5	3.3	21	.9	1391	
1983	30	40	3	2381	3216	1576	2.3	1.2	2.5	17	1.3	1385	
1984	19	24	2	2321	3002	1234	2.3	.8	2.0	10	.9	1279	
1985	20	24	2	2215	2764	1351	2.4	.9	1.8	10	.8	1166	
1986	NA	NA	3	2290	2783	1173	2.4	NA	NA	NA	1.3	1163	
1987	25	30	3	2515	2961	NA	2.4	1.0	NA	12	1.2	1227	
1988	29	32	3	2707	3069	1456	2.4	1.1	2.2	13	1.2	1263	
1989	31	34	3	3041	3299	NA	2.4	1.0	NA	14	1.2	1347	
1990	33	34	3	3204	3333	1050 E	2.5	1.0	3.3	14	1.2	1351	
1991	25	25	3	3304	3304	736 E	2.5	.7	3.4	10	1.2	1329	
Japan													
1981	13840	20660	241	1484000	2216000	417200	117.6	0.9	5.0	176	2.0	18830	
1982	15570	21890	243	1630000	2291000	428500	118.5	1.0	5.1	185	2.1	19340	
1983	17020	22990	241	1743000	2355000	440500	119.3	1.0	5.2	193	2.0	19740	
1984	18520	23950	241	1900000	2457000	441700	120.0	1.0	5.4	200	2.0	20470	
1985	20210	25210	241	2071000	2584000	449700	120.8	1.0	5.6	209	2.0	21400	
1986	21740	26410	245	2183000	2652000	456200	121.5	1.0	5.8	217	2.0	21830	
1987	23590	27780	244	2350000	2768000	469900	122.1	1.0	5.9	227	2.0	22670	
1988	25680	29110	245	2593000	2940000	486900	122.6	1.0	6.0	237	2.0	23980	
1989	27910	30280	247	2841000	3082000	521900	123.1	1.0	5.8	246	2.0	25040	
1990	30250	31460	250	3117000	3242000	522600	123.6	1.0	6.0	255	2.0	26240	
1991	32560	32560	250	3386000	3386000	531000 E	124.0	1.0	6.1	263	2.0	27300	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1991		Current	Constant 1991	Constant 1991	Millions	%	%	Constant 1991 dollars	Soldiers	Constant 1991 dollars
Jordan												
1981	332 E	496 E	66	1576	2352	1230	2.3	21.1	40.3	219	29.2	1040
1982	361 E	508 E	68	1800	2530	1278	2.4	20.1	39.7	215	28.8	1073
1983	447 E	603 E	72	2935	3964	1481	2.5	15.2	40.7	246	29.3	1616
1984	450 E	582 E	78	3083	3987	1337	2.6	14.6	43.5	228	30.5	1561
1985	512 E	638 E	81	3294	4110	1608	2.7	15.5	39.7	240	30.4	1545
1986	559 E	679 E	86	3599	4373	1585	2.8	15.5	42.9	245	31.0	1577
1987	584 E	688 E	100	3792	4465	1806	2.9	15.4	38.1	238	34.6	1546
1988	580 E	658 E	165	3848	4363	1723	3.0	15.1	38.2	218	54.8	1449
1989	501 E	543 E	190	3696	4010	1577	3.1	13.6	34.4	173	60.5	1277
1990	484 E	503 E	100	3573	3716	1542	3.3	13.5	32.6	154	30.6	1135
1991	426	426	100	3808	3808	1600 E	3.4	11.2	26.6	125	29.3	1116
Kampuchea (see Cambodia)												
Kenya												
1981	110	164	17	3667	5474	1638	17.3	3.0	10.0	9	1.0	316
1982	149	210	19	3921	5513	1694	18.0	3.8	12.4	12	1.1	306
1983	149	201	18	4170	5632	1494	18.7	3.6	13.5	11	1.0	301
1984	144	186	19	4420	5715	1492	19.4	3.2	12.4	10	1.0	294
1985	110	138	19	4770	5951	1630	20.2	2.3	8.4	7	.9	295
1986	118	143	20	5249	6376	1648	21.0	2.2	8.7	7	1.0	304
1987	151	178	21	5728	6745	2002	21.8	2.6	8.9	8	.9	310
1988	212	241	20	6298	7141	1989	22.6	3.4	12.1	11	.9	316
1989	180 E	195 E	20	6857	7440	2376	23.5	2.6	8.2	8	.8	317
1990	211	220	20	7447	7746	2243	24.3	2.8	9.8	9	.8	318
1991	218	218	20	7832	7832	2390	25.2	2.8	9.1	9	.8	310
Korea, North R R E E												
1981	4540	6778	768	22700	33890	NA	18.3	20.0	NA	370	41.9	1850
1982	4700	6607	782	23500	33030	NA	18.6	20.0	NA	355	42.0	1774
1983	4880	6592	784	24400	32960	NA	18.9	20.0	NA	348	41.4	1740
1984	5060	6543	784	25300	32710	NA	19.3	20.0	NA	340	40.7	1698
1985	5260	6563	784	26300	32810	NA	19.6	20.0	NA	335	40.0	1674
1986	5440	6609	838	27200	33040	NA	19.9	20.0	NA	331	42.0	1657
1987	5640	6641	838	28200	33210	NA	20.3	20.0	NA	327	41.3	1636
1988	5840	6622	842	29200	33110	NA	20.6	20.0	NA	321	40.8	1603
1989	6000	6510	1040	30000	32550	NA	21.0	20.0	NA	310	49.5	1548
1990	5940	6178	1200	29700	30890	NA	21.4	20.0	NA	289	56.0	1443
1991	4660	4660	1200	23300	23300	NA	21.8	20.0	NA	214	55.0	1068
Korea, South												
1981	4574	6829	606	73560	109800	24580	38.7	6.2	27.8	176	15.6	2836
1982	5076	7135	601	83730	117700	26250	39.3	6.1	27.2	181	15.3	2993
1983	5414	7313	602	98120	132500	26200	39.9	5.5	27.9	183	15.1	3321
1984	5711	7385	602	112000	144800	27790	40.4	5.1	26.6	183	14.9	3585
1985	6292	7851	600	124200	154900	29490	40.8	5.1	26.6	192	14.7	3797
1986	6949	8442	604	144000	174900	30750	41.4	4.8	27.5	204	14.6	4228
1987	7326	8627	604	167800	197600	33890	41.9	4.4	25.5	206	14.4	4718
1988	8177	9272	626	195900	222200	36750	42.4	4.2	25.2	219	14.8	5246
1989	9423	10220	647	218700	237200	42960	42.8	4.3	23.8	239	15.1	5544
1990	10800	11240	650	249300	259300	50340	43.2	4.3	22.3	260	15.0	5997
1991	10580	10580	750	280900	280900	54970	43.7	3.8	19.2	242	17.2	6430

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars				GNP	CGE	PER CAPITA		
	Current	Constant 1991		Current	Constant 1991	Constant 1991		Millions	%	%		
Kuwait												
					E							
1981	886	1323	12	32090	47900	17470	1.4	2.8	7.6	924	8.4	33450
1982	1157	1627	13	27860	39170	18360	1.5	4.2	8.9	1086	8.7	26150
1983	1446	1953	13	26680	36040	17400	1.6	5.4	11.2	1247	8.3	23010
1984	1477	1910	15	27610	35710	16310	1.6	5.3	11.7	1167	9.2	21810
1985	1576	1966	16	25700	32060	14500	1.7	6.1	13.6	1148	9.3	18720
1986	1344	1632	18	25250	30670	13080	1.8	5.3	12.5	910	10.0	17100
1987	1305	1537	20	26940	31720	12820 E	1.9	4.8	14.0	819	10.7	16910
1988	1316	1492	15	26610	30170	12560 E	2.0	4.9	13.9	762	7.7	15410
1989	2030 E	2202 E	20	32940	35740	12790 E	2.0	6.2	19.9	1080	10.0	17530
1990	13820 E	14380 E	7	26050	27100	NA	2.1	53.1	NA	6792	3.3	12800
1991	16740 E	16740 E	10	16380	16380	NA	.8	102.2	NA	19940	11.9	19510
Laos												
1981	NA	NA	46	NA	NA	NA	3.3	NA	NA	NA	13.8	NA
1982	NA	NA	46	460E	647 E	NA	3.4	NA	NA	NA	13.5	190
1983	NA	NA	46	NA	NA	NA	3.5	NA	NA	NA	13.2	NA
1984	55 E	71 E	46	525E	679 E	334 E	3.6	10.5	21.3	20	12.9	190
1985	55 E	69 E	46	NA	NA	NA	3.7	NA	NA	19	12.6	NA
1986	NA	NA	48	NA	NA	NA	3.8	NA	NA	NA	12.7	NA
1987	NA	NA	50	NA	NA	NA	3.9	NA	NA	NA	13.0	NA
1988	NA	NA	56	600	681	NA	4.0	NA	NA	NA	14.0	172
1989	NA	NA	56	738	801	NA	4.1	NA	NA	NA	13.6	197
1990	NA	NA	55	863	898	NA	4.2	NA	NA	NA	13.1	214
1991	NA	NA	55	1022	1022	NA	4.3	NA	NA	NA	12.7	237
Lebanon												
				E	E							
1981	294	439	20	6040	9017	1816	3.1	4.9	23.6	140	6.4	2868
1982	258	362	21	5173	7272	2195	3.2	5.0	16.5	115	6.6	2300
1983	384	519	20	4694	6340	2594	3.2	8.2	20.0	163	6.3	1995
1984	234	303	19	2316	2995	1317	3.2	10.1	23.0	95	6.0	938
1985	NA	NA	21	1839	2295	NA	3.2	NA	NA	NA	6.5	716
1986	NA	NA	36	1836	2230	NA	3.2	NA	NA	NA	11.2	692
1987	NA	NA	37	1408	1657	1102 E	3.2	NA	NA	NA	11.4	511
1988	NA	NA	20	NA	NA	NA	3.3	NA	NA	NA	6.1	NA
1989	NA	NA	18	2120	2300	NA	3.3	NA	NA	NA	5.5	697
1990	139 E	145 E	36	3277	3409	1033 E	3.3	4.2	14.0	43	10.8	1020
1991	168 E	168 E	36	4800	4800	1300 E	3.4	3.5	12.9	50	10.6	1417
Lesotho												
1981	12	17	2	539	804	265 E	1.4	2.2	6.6	13	1.4	582
1982	NA	NA	2	644	906	205	1.4	NA	NA	NA	1.4	639
1983	21	29	2	664	897	215	1.5	3.2	13.3	20	1.4	616
1984	52	67	2	715	925	248	1.5	7.2	26.9	45	1.0	618
1985	NA	NA	2	718	896	227	1.5	NA	NA	NA	1.0	583
1986	38	47	2	727	883	NA	1.6	5.3	NA	30	1.3	559
1987	NA	NA	2	755	889	319	1.6	NA	NA	NA	1.2	548
1988	NA	NA	2	802	909	317	1.7	NA	NA	NA	1.2	546
1989	36	39	2	949	1029	363	1.7	3.8	10.7	23	1.2	602
1990	56 E	58 E	2	1022	1063	340	1.8	5.4	17.1	33	1.1	606
1991	NA	NA	2	1106	1106	355	1.8	NA	NA	NA	1.1	614

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME	ARMED FORCES PER 1000 PEOPLE	GNP
	Million dollars			Million dollars				Million dollars	GNP	CGE		PER CAPITA
	Current	Constant 1991		Current	Constant 1991	Constant 1991	Millions	%	%	Constant 1991 dollars	Soldiers	Constant 1991 dollars
Liberia												
					E							
1981	33	50	5	844	1261	479	2.0	3.9	10.3	25	2.5	643
1982	45	64	5	827	1162	500	2.0	5.5	12.7	31	2.5	574
1983	26	36	5	912	1232	477	2.1	2.9	7.5	17	2.4	589
1984	23	30	6	916	1184	421	2.2	2.5	7.0	14	2.8	548
1985	29	36	6	1037	1294	415	2.2	2.8	8.8	16	2.7	579
1986	39 E	47 E	6	1031	1252	402	2.3	3.8	11.8	21	2.6	543
1987	44 E	52 E	6	1027	1209	370	2.4	4.3	14.2	22	2.5	507
1988	46 E	53 E	7	1059	1201	373	2.5	4.4	14.1	21	2.8	487
1989	NA	NA	7	1038	1126	498	2.6	NA	NA	NA	2.7	441
1990	NA	NA	8	NA	NA	NA	2.3	NA	NA	NA	3.5	NA
1991	NA	NA	5	NA	NA	NA	2.1	NA	NA	NA	2.4	NA
Libya												
	E,b	E,b			E							
1981	3916	5846	55	33390	49850	NA	3.2	11.7	NA	1835	17.3	15650
1982	3809	5355	55	30350	42660	16260	3.4	12.6	32.9	1598	16.4	12730
1983	4532	6122	68	29570	39950	19130 E	3.5	15.3	32.0	1748	19.4	11410
1984	5376	6951	90	26260	33960	17380 E	3.6	20.5	40.0	1912	24.8	9341
1985	NA	NA	91	28760	35890	NA	3.7	NA	NA	NA	24.7	9737
1986	NA	NA	91E	23520	28570	13940 E	3.7	NA	NA	NA	24.4	7665
1987	2955	3480	91E	24690	29070	NA	3.8	12.0	NA	904	23.7	7556
1988	NA	NA	86	21830	24750	NA	4.0	NA	NA	NA	21.7	6234
1989	3382	3669	86	23650	25660	13090	4.1	14.3	28.0	896	21.0	6264
1990	NA	NA	86	27840 E	28960	NA	4.2	NA	NA	NA	20.4	7168
1991	2670	2670	86	30620 E	30620	NA	4.4	8.7	NA	613	19.8	7659
Luxembourg												
1981	52	77	1	5358	7998	3266	0.4	1.0	2.4	211	3.0	21890
1982	55	77	1	6334	8904	3336	.4	.9	2.3	211	3.3	24350
1983	59	80	1	6927	9357	3531	.4	.9	2.3	218	2.7	25590
1984	62	81	1	7547	9759	3328	.4	.8	2.4	220	2.7	26670
1985	64	80	1	8132	10150	3383	.4	.8	2.4	217	2.7	27670
1986	67	81	1	8562	10400	3454	.4	.8	2.4	221	2.7	28230
1987	79	93	1	8802	10360	3659	.4	.9	2.5	250	2.7	27940
1988	92	104	1	9720	11020	3810	.4	.9	2.7	277	2.7	29410
1989	86	93	1	10860	11790	3819	.4	.8	2.4	245	2.6	31050
1990	94	98	1	11880	12360	4289	.4	.8	2.3	254	2.6	32170
1991	108	108	1	12680	12680	4552 E	.4	.8	2.4	277	2.6	32650
Madagascar												
1981	52 E	78 E	28	1600	2389	756 E	9.0	3.3	10.3	9	3.1	267
1982	NA	NA	28	1664	2339	537 E	9.2	NA	NA	NA	3.0	254
1983	31 E	42 E	29	1740	2350	412 E	9.5	1.8	10.2	4	3.1	247
1984	38 E	49 E	28	1815	2346	481 E	9.8	2.1	10.3	5	2.9	240
1985	37 E	46 E	27	1909	2382	580 E	10.1	1.9	8.0	5	2.7	236
1986	38 E	46 E	26	1993	2421	563 E	10.4	1.9	8.2	4	2.5	233
1987	38 E	45 E	26	2040	2402	NA	10.7	1.9	NA	4	2.4	224
1988	33 E	37 E	21	2173	2464	457	11.1	1.5	8.2	3	1.9	222
1989	32	35	21	2336	2535	465	11.4	1.4	7.5	3	1.8	222
1990	32	33	21	2575	2678	398	11.8	1.2	8.2	3	1.8	227
1991	30	30	21	2506	2506	403	12.2	1.2	7.5	2	1.7	205

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			GNP	CGE			PER CAPITA				
	Current	Constant 1991		Thousands	Current	Constant 1991		Constant 1991	Millions	%		
Malawi												
1981	31	46	6	955	1426	545	6.2	3.2	8.4	7	1.0	230
1982	25	35	6	1048	1473	461	6.4	2.4	7.5	5	.9	230
1983	21	29	6	1140	1540	467	6.6	1.9	6.2	4	.9	233
1984	21	27	6	1263	1633	470	6.8	1.7	5.7	4	.9	240
1985	27	34	6	1370	1709	575	7.0	2.0	5.8	5	.9	243
1986	33	40	7	1400	1701	611	7.3	2.4	6.6	5	1.0	232
1987	28	33	7	1476	1738	595	7.8	1.9	5.6	4	.9	224
1988	26	29	7	1591	1804	555	8.3	1.6	5.3	4	.8	218
1989	28	30	7	1758	1907	536	8.8	1.6	5.6	3	.8	217
1990	24 E	25 E	7	1911	1987	448 E	9.2	1.3	5.6	3	.8	216
1991	24 E	24 E	8	2135	2135	551 E	9.4	1.1	4.3	3	.8	226
Malaysia												
1981	1011	1509	90	16860	25170	11050	14.1	6.0	13.7	107	6.4	1786
1982	1116	1569	95	18730	26330	11790	14.4	6.0	13.3	109	6.6	1823
1983	1035 E	1398 E	105	20250	27350	10590	14.8	5.1	13.2	94	7.1	1848
1984	867 E	1121 E	105	22560	29180	10120	15.2	3.8	11.1	74	6.9	1925
1985	873 E	1089 E	106 E	23090	28810	10150	15.5	3.8	10.7	70	6.8	1853
1986	1023 E	1243 E	106 E	24300	29530	12400	15.9	4.2	10.0	78	6.6	1852
1987	1192	1403	106 E	26470	31170	10660	16.3	4.5	13.2	86	6.5	1908
1988	803	910	108	30100	34130	9811	16.7	2.7	9.3	54	6.5	2040
1989	1006	1091	110	34170	37070	10410	17.1	2.9	10.5	64	6.4	2163
1990	1066	1109	114	39740	41330	12270	17.6	2.7	9.0	63	6.5	2354
1991	1651	1651	114	45050	45050	13740	18.0	3.7	12.0	92	6.3	2506
Mali												
1981	30	44	8	1253	1871	448	6.8	2.4	9.9	7	1.2	275
1982	34	48	8 E	1392	1956	568	6.9	2.4	8.4	7	1.2	283
1983	35	47	8 E	1383	1868	603	7.0	2.5	7.9	7	1.1	265
1984	36	47	8 E	1490	1926	605	7.2	2.4	7.8	7	1.1	269
1985	41	52	8 E	1584	1977	640	7.3	2.6	8.1	7	1.1	270
1986	42	51	8	1854	2252	625	7.5	2.3	8.1	7	1.1	302
1987	42	50	8	1882	2216	592	7.7	2.2	8.4	6	1.0	287
1988	45	51	8	1931	2189	641	7.9	2.3	7.9	6	1.0	278
1989	44	47	8	2158	2341	594 E	8.1	2.0	8.0	6	.9	291
1990	NA	NA	13	2320	2413	NA	8.2	NA	NA	NA	1.6	293
1991	NA	NA	13	2414	2414	NA	8.4	NA	NA	NA	1.5	286
Malta												
1981	8	12	1	1226	1830	680	0.4	0.7	1.8	34	2.7	5032
1982	13	18	1	1344	1889	739	.4	1.0	2.5	50	2.8	5245
1983	15	21	1	1364	1843	715	.4	1.1	2.9	57	2.8	5116
1984	14	18	1	1452	1877	710	.4	1.0	2.6	50	2.8	5211
1985	16	21	1	1526	1904	800	.4	1.1	2.6	57	2.8	5251
1986	18	21	1	1601	1946	755	.3	1.1	2.8	63	2.3	5692
1987	22	25	1	1716	2021	786	.3	1.3	3.2	74	2.3	5872
1988	21	23	1	1919	2176	803	.3	1.1	2.9	67	3.5	6269
1989	23	25	2	2181	2367	906	.4	1.1	2.8	73	4.3	6756
1990	13	13	2	1530	1591	657	.4	.8	2.0	37	5.7	4501
1991	22 E	22 E	2	2647	2647	NA	.4	.8	NA	61	5.6	7426

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Million dollars			Million dollars									Million dollars
	Current	Constant 1991		Current	Constant 1991								Constant 1991
Thousands			Thousands	Current	Constant 1991	Constant 1991	Millions	%	%	Constant 1991 dollars	Soldiers	Constant 1991 dollars	
Mauritania													
1981	57	85	12	729	1089	449	1.5	7.8	19.0	57	8.0	729	
1982	57	80	16	733	1031	429	1.5	7.7	18.6	52	10.4	672	
1983	52	71	16	811	1095	339	1.6	6.5	20.9	45	10.2	695	
1984	NA	NA	16E	800	1035	NA	1.6	NA	NA	NA	9.9	639	
1985	55 E	69 E	16E	845	1055	275 E	1.7	6.5	25.0	41	9.6	633	
1986	50	61	16	909	1105	NA	1.7	5.5	NA	36	9.3	644	
1987	37	43	16	825	971	NA	1.8	4.4	NA	24	9.1	550	
1988	NA	NA	14	900	1020	NA	1.8	NA	NA	NA	7.4	561	
1989	43	47	16	1006	1091	294	1.9	4.3	15.9	25	8.6	582	
1990	NA	NA	17	1035	1076	NA	1.9	NA	NA	NA	8.8	556	
1991	NA	NA	17	1071	1071	NA	2.0	NA	NA	NA	8.5	536	
Mauritius													
1981	6	9	0	923	1378	466	1.0	0.7	2.0	9	0.0	1408	
1982	3	4	0	1019	1432	469	1.0	.3	.8	4	0	1444	
1983	3	4	1	1068	1443	466	1.0	.3	.8	4	1.0	1439	
1984	3	4	1	1162	1503	432	1.0	.3	.9	4	1.0	1485	
1985	3	4	1	1290	1609	439	1.0	.2	.8	4	1.0	1575	
1986	3	3	1	1456	1768	439	1.0	.2	.8	3	1.0	1713	
1987	3	3	1	1680	1979	458	1.0	.2	.8	3	1.0	1898	
1988	4	4	1	1866	2116	513	1.1	.2	.8	4	1.0	2011	
1989	5	6	1	2250	2441	626	1.1	.2	.9	5	.9	2298	
1990	8	8	1	2464	2562	628	1.1	.3	1.3	8	.9	2388	
1991	10	10	1	2680	2680	652	1.1	.4	1.5	9	.9	2475	
Mexico													
1981	809	1208	125	162000	241900	52990	71.9	0.5	2.3	17	1.7	3366	
1982	826	1161	130	165300	232400	76100	73.6	.5	1.5	16	1.8	3156	
1983	867	1171	130	166700	225200	61580	75.4	.5	1.9	16	1.7	2988	
1984	1184	1532	129	181400	234600	57990	77.1	.7	2.6	20	1.7	3041	
1985	1282	1599	140	194800	243000	63560	78.9	.7	2.5	20	1.8	3079	
1986	1188	1443	141 E	190200	231100	71520	80.7	.6	2.0	18	1.7	2863	
1987	1148	1352	141 E	201600	237400	77680	82.5	.6	1.7	16	1.7	2876	
1988	1190	1350	154	213800	242500	70070	84.4	.6	1.9	16	1.8	2871	
1989	1029	1117	154	231600	251300	61890	86.4	.4	1.8	13	1.8	2909	
1990	1087	1131	175	253800	264000	36670	88.3	.4	3.1	13	2.0	2988	
1991	1185 E	1185 E	175	275700	275700	39510	90.3	.4	3.0	13	1.9	3051	
Mongolia													
	E	E											
1981	198	296	35	1728	2580	NA	1.7	11.5	NA	173	20.5	1510	
1982	198	278	36	1867	2624	NA	1.8	10.6	NA	159	20.5	1495	
1983	201	271	38	1965	2654	NA	1.8	10.2	NA	150	21.1	1470	
1984	195	252	38	2111	2730	NA	1.9	9.2	NA	136	20.5	1471	
1985	192	240	38	2204	2750	NA	1.9	8.7	NA	126	19.9	1441	
1986	249	303	40	2428	2950	NA	2.0	10.3	NA	154	20.4	1504	
1987	274	323	32	2531	2980	NA	2.0	10.8	NA	160	15.9	1479	
1988	281	319	NA	2643	2997	NA	2.1	10.6	NA	154	NA	1447	
1989	259	281	33	2742	2975	NA	2.1	9.4	NA	132	15.5	1398	
1990	146	152	32	2670	2777	NA	2.2	5.5	NA	69	14.6	1270	
1991	113	113	31	2282	2282	NA	2.2	4.9	NA	50	13.8	1016	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1991		Thousands	Current	Constant 1991	Constant 1991	Millions	%	%	Constant 1991 dollars	Soldiers
Morocco												
1981	829	1237	120	11160	16660	6855	21.0	7.4	18.0	59	5.7	792
1982	1086	1527	125	13070	18370	7234	21.5	8.3	21.1	71	5.8	852
1983	1076	1454	135	13530	18280	6216	22.0	8.0	23.4	66	6.1	830
1984	NA	NA	149	14790	19130	5969	22.5	NA	NA	NA	6.6	850
1985	NA	NA	165	16180	20190	6570	23.0	NA	NA	NA	7.2	878
1986	1096	1331	185	18200	22110	6665	23.5	6.0	20.0	57	7.9	940
1987	1132	1333	200	18280	21520	6317	24.0	6.2	21.1	56	8.3	896
1988	1122	1273	195	20880	23670	NA	24.5	5.4	NA	52	7.9	964
1989	1237	1342	195	22290	24180	NA	25.1	5.5	NA	54	7.8	964
1990	1296	1348	195	24300	25280	7448	25.6	5.3	18.1	53	7.6	987
1991	1147	1147	195	26540	26540	NA	26.2	4.3	NA	44	7.5	1014
Mozambique												
1981	58	87	30	824	1230	292	12.4	7.1	29.7	7	2.4	99
1982	58	81	30	828	1164	279	12.8	7.0	29.1	6	2.4	91
1983	NA	NA	32	743	1003	NA	13.1	NA	NA	NA	2.4	77
1984	NA	NA	34	803	1038	NA	13.4	NA	NA	NA	2.5	77
1985	56	70	35	755	942	183	13.8	7.4	38.0	5	2.5	68
1986	NA	NA	65	782	950	NA	14.1	NA	NA	NA	4.6	67
1987	63	74	65	771	908	213	14.1	8.1	34.6	5	4.6	64
1988	83	94	65	929	1053	231	14.0	8.9	40.7	7	4.6	75
1989	98	106	65	983	1067	NA	14.2	9.9	NA	7	4.6	75
1990	93	97	65	1012	1053	NA	14.5	9.2	NA	7	4.5	73
1991	144	144	65	1103	1103	NA	14.9	13.0	NA	10	4.4	74
Myanmar (see Burma)												
Nepal												
1981	11	17	24	1199	1790	259	15.4	0.9	6.5	1	1.6	117
1982	12	17	24	1323	1860	312	15.8	.9	5.4	1	1.5	118
1983	15	21	25	1337	1805	364	16.1	1.2	5.7	1	1.5	112
1984	18	23	25	1525	1972	362	16.5	1.2	6.3	1	1.5	119
1985	19	24	25	1675	2090	386	17.0	1.1	6.2	1	1.5	123
1986	22	26	25	1794	2180	408	17.4	1.2	6.4	2	1.4	125
1987	23	27	30	1923	2265	425	17.8	1.2	6.4	2	1.7	127
1988	24	27	35	2149	2437	483	18.2	1.1	5.6	1	1.9	134
1989	27	29	35	2340	2538	562	18.7	1.1	5.2	2	1.9	136
1990	31	32	35	2523	2624	525	19.1	1.2	6.0	2	1.8	137
1991	30	30	35	2769	2769	504	19.6	1.1	5.9	2	1.8	141
Netherlands												
1981	4899	7314	108	156100	233000	130700	14.2	3.1	5.6	513	7.6	16360
1982	5179	7280	106	163900	230300	133400	14.3	3.2	5.5	509	7.4	16100
1983	5392	7283	104	173600	234500	137100	14.4	3.1	5.3	507	7.2	16330
1984	5810	7513	103	186300	240900	139300	14.4	3.1	5.4	521	7.1	16700
1985	5980	7461	103	199000	248300	137500	14.5	3.0	5.4	515	7.1	17140
1986	6213	7548	106	207300	251800	133500	14.6	3.0	5.7	518	7.3	17280
1987	6510	7666	106	215800	254200	139600	14.7	3.0	5.5	523	7.2	17330
1988	6705	7603	107	228800	259500	142400	14.8	2.9	5.3	515	7.2	17580
1989	7064	7664	106	252200	273600	143800	14.9	2.8	5.3	516	7.1	18420
1990	7155	7442	104	273100	284000	146600	14.9	2.6	5.1	498	7.0	19010
1991	7246	7246	104	290200	290200	152700	15.0	2.5	4.7	482	6.9	19310

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP
	Million dollars			Million dollars				GNP	CGE			Constant 1991 dollars
	Current	Constant 1991		Current	Constant 1991	Constant 1991		Millions	%	%		Soldiers
New Zealand												
1981	546	815	12	25210	37640	16310	3.1	2.2	5.0	261	3.8	12040
1982	606	851	12	27110	38110	16890	3.2	2.2	5.0	270	3.8	12080
1983	596	805	13	28760	38850	17250	3.2	2.1	4.7	252	4.1	12140
1984	629	813	13	31060	40160	18130	3.2	2.0	4.5	252	4.0	12450
1985	646	807	13	32370	40390	17900	3.2	2.0	4.5	248	4.0	12440
1986	706	857	12	34250	41610	18160	3.2	2.1	4.7	264	3.8	12810
1987	727	856	13	35390	41670	18490	3.3	2.1	4.6	263	3.9	12790
1988	792	899	13	36390	41260	16800	3.3	2.2	5.3	275	3.9	12610
1989	790	858	12	37600	40800	19180	3.3	2.1	4.5	261	3.8	12420
1990	796	828	11	39480	41060	16420	3.3	2.0	5.0	251	3.3	12440
1991	559	559	11	40500	40500	15920	3.3	1.4	3.5	168	3.3	12180
Nicaragua												
	E	E										
1981	96	144	39	1386	2070	814	2.9	6.9	17.6	50	13.6	721
1982	154	216	41	1461	2054	1009	2.9	10.5	21.4	73	13.9	697
1983	169	228	46	1593	2152	1452	3.0	10.6	15.7	76	15.3	714
1984	218	282	67	1636	2115	1353	3.1	13.3	20.9	91	21.7	686
1985	254	317	74	1623	2024	1210	3.2	15.7	26.2	101	23.5	642
1986	NA	NA	75	1645	1998	1048	3.2	NA	NA	NA	23.2	620
1987	NA	NA	80	1723	2029	NA	3.3	NA	NA	NA	24.2	615
1988	NA	NA	74	1567	1777	852	3.4	NA	NA	NA	21.9	523
1989	NA	NA	65	1610	1746	556	3.5	NA	NA	NA	18.7	503
1990	NA	NA	28	1675	1742	588	3.6	NA	NA	NA	7.7	482
1991	70	70	20	1736	1736	499 E	3.8	4.0	14.0	19	5.3	460
Niger												
1981	12 E	18 E	6	1658	2475	457 E	5.7	0.7	3.9	3	1.0	431
1982	11 E	15 E	5	1696	2384	531 E	5.9	.6	2.9	3	.8	402
1983	12 E	16 E	5	1721	2325	383 E	6.1	.7	4.1	3	.8	378
1984	11 E	14 E	5 E	1526	1974	340 E	6.3	.7	4.2	2	.8	311
1985	14 E	17 E	5 E	1669	2082	348 E	6.6	.8	5.0	3	.8	318
1986	15 E	18 E	4	1832	2226	NA	6.8	.8	NA	3	.6	329
1987	NA	NA	5	1798	2117	447	7.0	NA	NA	NA	.7	303
1988	19	21	4	1958	2220	501	7.0	1.0	4.2	3	.6	316
1989	26	29	4	1983	2151	NA	7.3	1.3	NA	4	.6	296
1990	NA	NA	5	2161	2248	442	7.5	NA	NA	NA	.7	299
1991	30	30	5	2268	2268	NA	7.8	1.3	NA	4	.6	291
Nigeria												
1981	467	697	144	16190	24180	5092	93.0	2.9	13.7	7	1.5	260
1982	422	594	144	17250	24240	5008	95.9	2.4	11.9	6	1.5	253
1983	354	478	144	16760	22640	4301	97.7	2.1	11.1	5	1.5	232
1984	339	438	144	16630	21510	3864	99.9	2.0	11.3	4	1.4	215
1985	301	376	134	18700	23330	3984	102.8	1.6	9.4	4	1.3	227
1986	251	305	138	18920	22980	5655	105.5	1.3	5.4	3	1.3	218
1987	150	176	138	18720	22040	6599	108.6	.8	2.7	2	1.3	203
1988	180	204	107	21750	24660	7980	111.9	.8	2.6	2	1.0	220
1989	118	128	107	24250	26310	5395	115.3	.5	2.4	1	.9	228
1990	193	200	94	26240	27290	7262 E	118.9	.7	2.8	2	.8	230
1991	244	244	94	29670	29670	NA	122.5	.8	NA	2	.8	242

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			GNP	CGE							
	Current	Constant 1991		Thousands	Current	Constant 1991	Constant 1991	Millions	%	%	Constant 1991 dollars	Soldiers
Norway												
1981	1585	2366	39	53070	79230	33600	4.1	3.0	7.0	577	9.4	19320
1982	1768	2485	40	56400	79280	34220	4.1	3.1	7.3	604	9.7	19270
1983	1962	2650	41	61610	83210	35940	4.1	3.2	7.4	642	9.9	20160
1984	1971	2548	39	68250	88250	37400	4.1	2.9	6.8	616	9.4	21320
1985	2369	2956	36	75270	93910	39460	4.2	3.1	7.5	712	8.7	22620
1986	2566	3117	38	80750	98110	44440	4.2	3.2	7.0	748	9.1	23540
1987	2859	3366	38	85060	100200	46620	4.2	3.4	7.2	804	9.1	23920
1988	2895	3283	40	87430	99140	47570	4.2	3.3	6.9	780	9.5	23550
1989	3069	3329	43	91470	99240	48010	4.2	3.4	6.9	787	10.2	23450
1990	3210	3339	51	97370	101300	48410	4.3	3.3	6.9	785	12.0	23810
1991	3288	3288	41	103200	103200	52700	4.3	3.2	6.2	769	9.6	24150
Oman												
1981	1357	2026	15	5902	8811	4183	1.0	23.0	48.4	1955	14.5	8502
1982	1512	2125	15	6197	8711	4475	1.1	24.4	47.5	1952	13.8	8000
1983	1744	2356	20	6320	8536	4801	1.1	27.6	49.1	2066	17.5	7484
1984	1894	2449	25	7014	9069	5250	1.2	27.0	46.6	2057	21.0	7617
1985	1937	2417	25	7945	9912	5717	1.2	24.4	42.3	1951	20.2	8002
1986	1731	2102	26 E	6409	7787	5040	1.3	27.0	41.7	1636	20.2	6058
1987	1518	1787	27 E	7078	8335	4121	1.3	21.4	43.4	1342	20.3	6258
1988	1350	1530	27	6548	7425	4057	1.4	20.6	37.7	1109	19.3	5381
1989	1552	1683	29	7346	7970	4071	1.4	21.1	41.4	1178	20.3	5576
1990	1707	1775	32	9417	9794	4381	1.5	18.1	40.5	1199	21.6	6615
1991	1450	1450	29	9175	9175	4080	1.5	15.8	35.5	945	18.9	5984
Pakistan												
1981	873	1303	560	15810	23600	5488	88.4	5.5	23.7	15	6.3	267
1982	1033	1452	588	17870	25110	5346	91.3	5.8	27.2	16	6.4	275
1983	1349	1822	588	21730	29350	6282	93.8	6.2	29.0	19	6.3	313
1984	1401	1812	588	23660	30600	6713	96.4	5.9	27.0	19	6.1	317
1985	1650	2059	647	26070	32520	7318	99.3	6.3	28.1	21	6.5	328
1986	1833	2227	645	28270	34350	8880	102.3	6.5	25.1	22	6.3	336
1987	1989	2342	645	30640	36080	9097	105.3	6.5	25.7	22	6.1	343
1988	2185	2477	645	33570	38070	9167	108.4	6.5	27.0	23	5.9	351
1989	2387	2590	684	36870	40000	10550	111.6	6.5	24.5	23	6.1	359
1990	2829	2943	790	40110	41710	10310	114.8	7.1	28.5	26	6.9	363
1991	2672	2672	803	43600	43600	10840	118.2	6.1	24.7	23	6.8	369
Panama												
1981	37 E	55 E	9	3103	4632	1754	2.0	1.2	3.2	28	4.5	2318
1982	52 E	74 E	10	3436	4830	2073	2.0	1.5	3.6	36	4.9	2365
1983	79 E	106 E	10	3619	4888	1927	2.1	2.2	5.5	51	4.8	2341
1984	88 E	114 E	11	3810	4926	1974	2.1	2.3	5.8	53	5.2	2309
1985	90 E	113 E	12	4079	5089	1750	2.2	2.2	6.4	52	5.5	2334
1986	95 E	116 E	12	4384	5326	1946	2.2	2.2	5.9	52	5.4	2390
1987	97	114	12	4646	5471	1997	2.3	2.1	5.7	50	5.4	2403
1988	98	111	11	3949	4478	1492	2.3	2.5	7.5	48	4.7	1925
1989	100	109	14	4077	4424	1423	2.4	2.5	7.7	46	5.9	1861
1990	73	76	11	4494	4674	1360	2.4	1.6	5.6	31	4.5	1926
1991	0	0	12	5221	5221	1700 E	2.5	0	0	0	4.8	2106

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME	ARMED FORCES PER 1000 PEOPLE	GNP	
	Million dollars			Million dollars				GNP	CGE	PER CAPITA		Constant 1991 dollars	Soldiers
	Current	Constant 1991		Current	Constant 1991	Constant 1991		%	%	%			
Papua New Guinea													
1981	31	46	3	1934	2887	1181	3.1	1.6	3.9	15	1.0	941	
1982	32	44	3	2031	2856	1124	3.1	1.6	4.0	14	1.0	907	
1983	30	41	3	2165	2925	1029	3.2	1.4	4.0	13	.9	906	
1984	36	47	3	2310	2988	1008	3.3	1.6	4.7	14	.9	903	
1985	36	45	3	2480	3094	1008	3.4	1.5	4.5	13	.9	912	
1986	39	48	3	2692	3270	1085	3.5	1.5	4.4	14	.9	941	
1987	40	47	3	2801	3298	1046	3.6	1.4	4.5	13	.9	926	
1988	42 E	48 E	3	3013	3416	1029	3.6	1.4	4.6	13	.9	937	
1989	44	47	3	3115	3379	1181	3.7	1.4	4.0	13	.9	905	
1990	51 E	53 E	4	3128	3254	1205	3.8	1.6	4.4	14	1.0	851	
1991	97 E	97 E	4	3258	3258	NA	3.9	3.0	NA	25	1.0	832	
Paraguay													
1981	51	76	15	3391	5062	573	3.5	1.5	13.2	22	4.3	1449	
1982	60 E	85 E	16	3461	4865	529	3.6	1.7	16.0	24	4.4	1346	
1983	68	92	16	3501	4729	523	3.7	2.0	17.7	25	4.3	1265	
1984	53	69	17	3756	4857	542	3.9	1.4	12.7	18	4.4	1257	
1985	46 E	57 E	14	4002	4993	478	4.0	1.1	11.9	14	3.5	1251	
1986	NA	NA	16	4088	4966	423	4.1	NA	NA	NA	3.9	1206	
1987	46 E	55 E	16	4387	5166	495	4.2	1.1	11.0	13	3.8	1216	
1988	70 E	79 E	16	4861	5512	505	4.4	1.4	15.6	18	3.7	1258	
1989	76	82	16	5400	5858	551	4.5	1.4	14.9	18	3.5	1298	
1990	76	80	16	5826	6059	569	4.7	1.3	14.0	17	3.4	1303	
1991	107	107	16	6214	6214	1200 E	4.8	1.7	8.9	22	3.3	1297	
Peru													
1981	1468	2192	157	34650	51730	11560	17.8	4.2	19.0	123	8.8	2914	
1982	1710	2404	164	36930	51910	9170	18.2	4.6	26.2	132	9.0	2847	
1983	1601	2163	167	33090	44700	8772	18.7	4.8	24.7	116	8.9	2389	
1984	2026 E	2620 E	135	36080	46660	8565	19.2	5.6	30.6	137	7.0	2434	
1985	2501 E	3121 E	128	38680	48260	8473	19.6	6.5	36.8	159	6.5	2459	
1986	2942 E	3574 E	127	43940	53380	8647	20.1	6.7	41.3	178	6.3	2658	
1987	2587 E	3046 E	127	49450	58230	8974	20.5	5.2	33.9	148	6.2	2836	
1988	NA	NA	111	49120	55690	6658	21.0	NA	NA	NA	5.3	2654	
1989	NA	NA	110	45260	49110	5642	21.4	NA	NA	NA	5.1	2291	
1990	795 E	827 E	125	45160	46970	5013	21.9	1.8	16.5	38	5.7	2147	
1991	506 E	506 E	123	46660	46660	4096	22.3	1.1	12.4	23	5.5	2090	
Philippines													
1981	528	788	156	26800	40020	6831	52.2	2.0	11.5	15	3.0	767	
1982	518	729	157	29280	41150	6879	53.5	1.8	10.6	14	2.9	769	
1983	519	702	157	30910	41750	6099	54.9	1.7	11.5	13	2.9	760	
1984	368	475	157	29470	38110	5005	56.2	1.2	9.5	8	2.8	677	
1985	388	485	157	28390	35420	5102	57.6	1.4	9.5	8	2.7	615	
1986	590	717	161	30360	36890	6798	59.0	1.9	10.5	12	2.7	626	
1987	614	723	161	32920	38770	6908	60.3	1.9	10.5	12	2.7	643	
1988	774	878	105	36660	41560	7114	61.7	2.1	12.3	14	1.7	674	
1989	912	989	106	40490	43930	8266	63.0	2.3	12.0	16	1.7	697	
1990	951	989	112	43890	45650	9248	64.4	2.2	10.7	15	1.7	709	
1991	947	947	112	45630	45630	8994	65.8	2.1	10.5	14	1.7	694	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME	ARMED FORCES PER 1000 PEOPLE	GNP	
	Million dollars			Million dollars				GNP	CGE	PER CAPITA		Constant 1991 dollars	Constant 1991 dollars
	Current	Constant 1991		Current	Constant 1991			Constant 1991	%	%			
								C	C				
Poland													
1981	10490 E	15660 E	414	112300	167600	69080	35.9	9.3	22.7	436	11.5	4669	
1982	12440 E	17480 E	420	118300	166400	46810	36.2	10.5	37.3	483	11.6	4592	
1983	12730 E	17200 E	426	129000	174300	40740	36.6	9.9	42.2	470	11.7	4766	
1984	13670 E	17680 E	434	138700	179400	44790	36.9	9.9	39.5	479	11.8	4861	
1985	14670 E	18300 E	439	144400	180100	44990	37.2	10.2	40.7	492	11.8	4841	
1986	15230 E	18500 E	443	152800	185700	44060	37.5	10.0	42.0	494	11.8	4958	
1987	15450 E	18200 E	441	155400	183000	39070	37.7	9.9	46.6	483	11.7	4858	
1988	15350 E	17410 E	430	170900	193700	38300	37.8	9.0	45.5	461	11.4	5130	
1989	15480 E	16800 E	350	174700	189500	24300 E	38.0	8.9	69.1	442	9.2	4993	
1990	8752 R	9703 R	313	163300E	169800 E	NA	38.1	5.4	NA	239	8.2	4456	
1991	7362 R	7362 R	305	160100E	160100 E	22400 E	38.3	4.6	32.9	192	8.0	4185	
Portugal													
1981	1157	1728	88	31500	47030	22040	9.9	3.7	7.8	175	9.0	4775	
1982	1238	1740	91	34090	47920	21800	9.9	3.6	8.0	175	9.1	4828	
1983	1253	1692	93	35410	47830	22740	10.0	3.5	7.4	169	9.3	4782	
1984	1261	1630	100	36060	46630	21750	10.1	3.5	7.5	162	9.9	4624	
1985	1294	1614	102	38860	48480	24780	10.2	3.3	6.5	159	10.0	4771	
1986	1390	1689	101	42390	51500	25990	10.2	3.3	6.5	165	9.9	5045	
1987	1455	1713	105	46010	54170	25120	10.2	3.2	6.8	167	10.2	5285	
1988	1648	1869	104	50200	56920	25610	10.3	3.3	7.3	182	10.1	5533	
1989	1823	1978	104	55270	59960	26400	10.3	3.3	7.5	192	10.1	5809	
1990	2020	2101	87	60790	63220	26660	10.4	3.3	7.9	203	8.4	6099	
1991	2115	2115	86	65080	65080	33900 E	10.4	3.3	6.2	203	8.3	6251	
Qatar					E								
1981	NA	NA	6	9196	13730	6047	0.2	NA	NA	NA	24.7	56620	
1982	NA	NA	6	8145	11450	4873	.3	NA	NA	NA	23.8	45380	
1983	NA	NA	6	6927	9356	4998 E	.3	NA	NA	NA	21.1	32950	
1984	NA	NA	6	7073	9146	5151 E	.3	NA	NA	NA	19.1	29060	
1985	NA	NA	7E	6722	8386	5365 E	.3	NA	NA	NA	20.3	24300	
1986	NA	NA	9E	5677	6897	5588 E	.4	NA	NA	NA	24.0	18390	
1987	NA	NA	11	5925	6977	3963 E	.4	NA	NA	NA	27.8	17640	
1988	NA	NA	7	6038	6847	3855 E	.4	NA	NA	NA	16.9	16520	
1989	NA	NA	7	6488	7039	3689 E	.4	NA	NA	NA	16.1	16240	
1990	NA	NA	11	7380	7676	NA	.5	NA	NA	NA	24.4	16990	
1991	NA	NA	11	7390	7390	3200 E	.5	NA	NA	NA	23.5	15770	
Romania								C	C				
1981	4987 E	7445 E	212	81750	122000	42750	22.4	6.1	17.4	333	9.5	5460	
1982	5683 E	7989 E	213	87040	122400	33360	22.5	6.5	24.0	355	9.5	5444	
1983	6273 E	8473 E	232	89640	121100	28570	22.6	7.0	29.7	376	10.3	5369	
1984	6514 E	8423 E	236	96620	124900	30360	22.6	6.7	27.7	372	10.4	5522	
1985	6840 E	8534 E	237	99330	123900	42750	22.7	6.9	20.0	376	10.4	5455	
1986	7059 E	8576 E	238	103600	125800	45450	22.8	6.8	18.9	376	10.4	5514	
1987	7485 E	8814 E	248	104600	123200	41020	22.9	7.2	21.5	384	10.8	5371	
1988	7004 E	7942 E	220	112300	127400	42610	23.0	6.2	18.6	345	9.5	5528	
1989	6916 E	7503 E	207	113400	123000	44450	23.2	6.1	16.9	324	8.9	5312	
1990	3869 R	4024 R	126	104900 E	109100 E	36880 E	23.2	3.7	10.9	174	5.4	4705	
1991	3747 R	3747 R	201	94190 E	94190 E	32940 E	23.2	4.0	11.4	162	8.7	4064	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	* Current	Constant 1991		Thousands	Current	Constant 1991	Constant 1991	Millions	%	%	Constant 1991 dollars	Soldiers
Rwanda												
1981	18	26	5	1054	1573	225	5.5	1.7	11.6	5	0.9	287
1982	NA	NA	5	1123	1579	242	5.7	NA	NA	NA	.9	277
1983	27	37	5	1234	1666	264	5.9	2.2	14.0	6	.8	282
1984	NA	NA	5	1235	1597	NA	6.1	NA	NA	NA	.8	261
1985	23 E	29 E	5	1336	1667	307 E	6.3	1.7	9.4	5	.8	263
1986	NA	NA	5	1446	1757	NA	6.6	NA	NA	NA	.8	267
1987	29	34	5	1487	1751	286	6.8	2.0	12.0	5	.7	257
1988	24 E	28 E	5	1546	1753	277	7.1	1.6	10.0	4	.7	248
1989	26 E	29 E	6	1526	1655	271	7.3	1.7	10.6	4	.8	226
1990	27 E	28 E	6	1556	1619	NA	7.6	1.7	NA	4	.8	213
1991	117 E	117 E	30	1572	1572	NA	7.9	7.5	NA	15	3.8	199
Sao Tome and Principe												
1981	NA	NA	2	29	43	32 E	0.1	NA	NA	NA	20.7	447
1982	NA	NA	2	37	51	NA	.1	NA	NA	NA	20.2	519
1983	NA	NA	2	35	48	NA	.1	NA	NA	NA	19.6	469
1984	NA	NA	2	36	46	NA	.1	NA	NA	NA	19.1	443
1985	NA	NA	2	36	45	NA	.1	NA	NA	NA	18.6	418
1986	NA	NA	1	37	45	NA	.1	NA	NA	NA	9.0	407
1987	NA	NA	1	38	45	12	.1	NA	NA	NA	8.8	391
1988	NA	NA	1	40	45	7	.1	NA	NA	NA	8.5	385
1989	NA	NA	1	43	47	NA	.1	NA	NA	NA	8.3	388
1990	NA	NA	1	44	46	NA	.1	NA	NA	NA	8.0	367
1991	NA	NA	1	47	47	NA	.1	NA	NA	NA	7.8	362
Saudi Arabia												
1981	18410	27480	79	140200	209400	97670	10.8	13.1	28.1	2550	7.3	19430
1982	22040	30980	80	129500	182100	111900	11.4	17.0	27.7	2716	7.0	15960
1983	24800	33500	80	112700	152200	113000	12.1	22.0	29.6	2777	6.6	12620
1984	20400	26370	80 E	103600	133900	90940	12.8	19.7	29.0	2068	6.3	10500
1985	21340	26620	80 E	94140	117500	98590	13.5	22.7	27.0	1976	5.9	8718
1986	17290	21010	80 E	82890	100700	65650	14.1	20.9	32.0	1488	5.7	7132
1987	16210 E	19090 E	80 E	83420	98220	41220 E	14.7	19.4	46.3	1297	5.4	6677
1988	13600	15420	84	85880	97380	42720 E	15.3	15.8	36.1	1006	5.4	6351
1989	14690	15930	82	92730	100600	41340 E	16.0	15.8	38.5	997	5.2	6297
1990	23160 E	24090 E	146	109200	113600	39730 E	16.3	21.2	60.6	1481	9.0	6982
1991	35510 E	35510 E	191	118000	118000	NA	16.5	30.1	NA	2151	11.6	7151
Senegal												
1981	83	124	14	2623	3916	1062	5.9	3.2	11.6	21	2.4	664
1982	90	127	18	3214	4517	1297	6.1	2.8	9.8	21	3.0	744
1983	92	124	18	3421	4621	1288	6.3	2.7	9.6	20	2.9	739
1984	91 E	118 E	18	3383	4375	1357	6.4	2.7	8.7	18	2.8	679
1985	100 E	125 E	18	3634	4534	1414 E	6.6	2.8	8.8	19	2.7	683
1986	105 E	127 E	18	3918	4761	1700 E	6.8	2.7	7.5	19	2.6	696
1987	93 E	110 E	18	4198	4944	1632 E	7.0	2.2	6.7	16	2.6	702
1988	94 E	107 E	14	4589	5203	1769	7.3	2.1	6.1	15	2.0	717
1989	97 E	105 E	15	4813	5222	1665	7.5	2.0	6.3	14	1.9	698
1990	106	110	18	5291	5503	NA	7.7	2.0	NA	14	2.3	713
1991	108	108	18	5582	5582	NA	8.0	1.9	NA	14	2.3	702

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Million dollars			Million dollars									Million dollars
	Current	Constant 1991		Current	Constant 1991								Constant 1991
			Thousands				Millions	%	%	Constant 1991 dollars	Soldiers	Constant 1991 dollars	
Sierra Leone													
1981	4	6	4	309	461	131	3.4	1.3	4.8	2	1.2	136	
1982	4	5	4	332	467	107	3.5	1.2	5.0	2	1.2	135	
1983	3	4	6	343	463	111	3.5	1.0	4.0	1	1.7	131	
1984	3	3	4	363	469	83	3.6	.7	4.2	1	1.1	130	
1985	3 E	3 E	4	362	452	67	3.7	.7	5.0	1	1.1	123	
1986	NA	NA	4	366	445	47	3.8	NA	NA	NA	1.1	118	
1987	3 E	4 E	6	399	470	133	3.9	.8	2.9	1	1.6	122	
1988	3 E	3 E	4	422	479	80	4.0	.7	4.0	1	1.0	121	
1989	NA	NA	4	457	496	80	4.1	NA	NA	NA	1.0	122	
1990	5	5	5	486	505	50	4.2	1.0	9.8	1	1.2	119	
1991	12 E	12 E	5	519	519	NA	4.4	2.3	NA	3	1.1	118	
Singapore													
1981	709	1058	59	13350	19940	5999	2.4	5.3	17.6	433	24.2	8161	
1982	775	1090	60	15320	21540	6093	2.5	5.1	17.9	441	24.3	8711	
1983	739	998	60	17660	23850	7213	2.5	4.2	13.8	399	24.0	9538	
1984	1054	1363	59	20460	26460	6518	2.5	5.2	20.9	539	23.3	10460	
1985	1250	1560	59	21210	26460	9150	2.6	5.9	17.0	610	23.1	10340	
1986	1203	1461	56	21930	26640	9694	2.6	5.5	15.1	565	21.5	10310	
1987	1265	1490	55	24500	28850	9998	2.6	5.2	14.9	570	21.0	11040	
1988	1492	1692	56	28030	31780	6983	2.6	5.3	24.2	639	21.0	12000	
1989	1612	1749	56	32100	34820	6917	2.7	5.0	25.3	652	20.7	12970	
1990	1627	1692	55	36460	37920	8496	2.7	4.5	19.9	622	20.2	13940	
1991	2107	2107	55	40900	40900	8342 E	2.8	5.2	25.3	764	20.0	14840	
Somalia													
1981	25	37	54	647	966	149	5.8	3.8	24.9	6	9.3	166	
1982	26	36	54	708	996	182	5.8	3.7	20.0	6	9.2	170	
1983	25 E	34 E	48	678	915	151	6.0	3.7	22.7	6	8.0	152	
1984	21 E	27 E	43	699	903	100	6.2	3.0	27.5	4	6.9	145	
1985	NA	NA	43	782	976	NA	6.5	NA	NA	NA	6.6	150	
1986	26 E	32 E	50	819	995	106 E	6.8	3.2	30.0	5	7.4	147	
1987	NA	NA	50	902	1062	NA	7.0	NA	NA	NA	7.1	151	
1988	NA	NA	47	926	1050	NA	7.0	NA	NA	NA	6.7	149	
1989	NA	NA	47	958	1040	NA	6.9	NA	NA	NA	6.8	150	
1990	NA	NA	47	966	1005	NA	7.0	NA	NA	NA	6.8	145	
1991	NA	NA	NA	NA	NA	NA	7.1	NA	NA	NA	NA	NA	
South Africa													
1981	2700 E	4031 E	78	63370	94610	26390	31.1	4.3	15.3	130	2.5	3042	
1982	2383 E	3350 E	78	64780	91070	26460	31.9	3.7	12.7	105	2.4	2850	
1983	3190 E	4309 E	77	67030	90540	27560	32.8	4.8	15.6	131	2.3	2758	
1984	3088 E	3992 E	97	73810	95440	29470	33.7	4.2	13.5	118	2.9	2830	
1985	2872	3583	95	75700	94450	30930	34.6	3.8	11.6	103	2.7	2726	
1986	3041	3695	90	77580	94250	32090	35.6	3.9	11.5	104	2.5	2650	
1987	3634 E	4279 E	102	82470	97110	34150	36.5	4.4	12.5	117	2.8	2659	
1988	3878	4397	100	89930	102000	34810	37.5	4.3	12.6	117	2.7	2720	
1989	4262	4624	100	95990	104100	34430	38.5	4.4	13.4	120	2.6	2705	
1990	4411 E	4587 E	85	99950	103900	33530	39.5	4.4	13.7	116	2.1	2629	
1991	3839 E	3839 E	80	104500	104500	32830	40.6	3.7	11.7	95	2.0	2573	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars				GNP	CGE	PER CAPITA		
	Current	Constant 1991		Current	Constant 1991	Constant 1991		%	%	Constant 1991 dollars		
Soviet Union												
	E	E						C	C,f			
1981	219600	327800	3900	1655000	2470000	634500	268.7	13.3	51.7	1220	14.5	9194
1982	237900	334400	3900	1807000	2541000	686000	271.1	13.2	48.8	1234	14.4	9373
1983	250700	338600	3900	1926000	2601000	674000	273.6	13.0	50.2	1238	14.3	9506
1984	263700	341000	3900	2028000	2622000	678800	276.3	13.0	50.2	1234	14.1	9492
1985	277200	345800	3900	2118000	2642000	691200	278.9	13.1	50.0	1240	14.0	9475
1986	287600	349400	3900	2250000	2734000	744700	281.5	12.8	46.9	1241	13.9	9713
1987	303000	356800	3900	2348000	2764000	777200	284.0	12.9	45.9	1256	13.7	9733
1988	319000	361700	3900	2507000	2843000	776000	286.4	12.7	46.6	1263	13.6	9925
1989	303000	328700	3700	2645000	2870000	756300 E	288.7	11.5	43.5	1138	12.8	9940
1990	292000	303700	3400	2660000	2767000	705400 E	290.9	11.0	43.1	1044	11.7	9509
1991	260000	260000	3000	2531000 E	2531000 E	NA	293.0	10.3	NA	887	10.2	8639
Spain												
1981	6036	9012	366	254900	380500	112500	37.8	2.4	8.0	239	9.7	10080
1982	6530	9179	372	273800	384900	120400	38.0	2.4	7.6	242	9.8	10140
1983	7088	9574	355	289700	391300	128900	38.2	2.4	7.4	251	9.3	10250
1984	7334	9483	342	308100	398400	141000	38.3	2.4	6.7	247	8.9	10390
1985	7943	9909	314	328000	409200	142700	38.5	2.4	6.9	257	8.2	10630
1986	7782	9455	314	348500	423300	144100	38.6	2.2	6.6	245	8.1	10970
1987	9043	10650	314	380100	447500	155300	38.7	2.4	6.9	275	8.1	11560
1988	8705	9870	304	414300	469700	161900	38.8	2.1	6.1	254	7.8	12100
1989	9397	10200	277	454300	492900	171500	38.9	2.1	5.9	262	7.1	12670
1990	9126	9491	263	490800	510400	126600 E	39.0	1.9	7.5	244	6.7	13100
1991	9115	9115	246	522100	522100	130000 E	39.0	1.7	7.0	233	6.3	13370
Sri Lanka												
1981	50	75	18	3989	5955	2007	15.2	1.3	3.8	5	1.2	393
1982	56	78	18	4557	6406	2141	15.4	1.2	3.7	5	1.2	416
1983	72	97	19	4904	6624	2170	15.6	1.5	4.5	6	1.2	424
1984	82	106	21	5256	6797	2177	15.8	1.6	4.9	7	1.3	430
1985	167	208	21	5843	7290	2490	16.0	2.9	8.4	13	1.3	455
1986	153	186	25 E	6277	7626	2526	16.2	2.4	7.4	11	1.5	470
1987	201	237	30 E	6560	7725	2520	16.5	3.1	9.4	14	1.8	469
1988	322	365	47	6988	7924	2739	16.7	4.6	13.3	22	2.8	474
1989	323 E	351 E	47	7471	8105	2663	17.0	4.3	13.2	21	2.8	478
1990	398 E	413 E	88	8307	8640	2694	17.2	4.8	15.3	24	5.1	502
1991	432 E	432 E	88	9032	9032	2889	17.4	4.8	15.0	25	5.1	518
Sudan												
	E	E										
1981	534	797	87	16680	24900	5398 E	19.7	3.2	14.8	40	4.4	1264
1982	736	1035	86	19570	27510	5520	20.4	3.8	18.8	51	4.2	1351
1983	480	649	86	20810	28110	NA	21.8	2.3	NA	30	4.0	1293
1984	639	826	65	19780	25580	NA	22.6	3.2	NA	37	2.9	1134
1985	621	775	65	19420	24230	NA	23.5	3.2	NA	33	2.8	1031
1986	561	682	59	20940	25440	NA	24.2	2.7	NA	28	2.4	1049
1987	897	1056	59 E	22570	26570	NA	24.8	4.0	NA	43	2.4	1074
1988	1157	1312	65	22200	25170	NA	25.2	5.2	NA	52	2.6	999
1989	1385	1502	65	25150	27280	2442 E	25.8	5.5	61.5	58	2.5	1059
1990	1059	1102	65	26240	27290	NA	26.6	4.0	NA	41	2.4	1027
1991	2157	2157	65	27850	27850	2100 E	27.4	7.7	102.7	79	2.4	1016

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1991		Thousands	Current	Constant 1991		Constant 1991	Millions	%	%	Constant 1991 dollars
Suriname												
1981	NA	NA	1	1687	2519	987	0.4	NA	NA	NA	2.8	7137
1982	NA	NA	2	1676	2356	998	.4	NA	NA	NA	5.6	6552
1983	NA	NA	2	1565	2113	958	.4	NA	NA	NA	5.5	5779
1984	38	50	2	1561	2018	929	.4	2.5	5.4	134	5.4	5441
1985	42 E	53 E	2	1579	1970	984	.4	2.7	5.4	140	5.3	5242
1986	42 E	51 E	3 E	1626	1975	1042	.4	2.6	4.9	133	7.9	5200
1987	NA	NA	4	1505	1772	884	.4	NA	NA	NA	9.7	4625
1988	53	60	4	1733	1965	831	.4	3.1	7.2	155	10.3	5076
1989	48	53	4	1873	2032	965 E	.4	2.6	5.4	134	10.2	5177
1990	77	80	4	1936	2014	1505	.4	4.0	5.3	201	10.0	5057
1991	75 E	75 E	4	1957	1957	NA	.4	3.8	NA	186	9.9	4845
Swaziland												
1981	7	10	2	341	509	183	0.6	2.0	5.5	16	3.2	815
1982	7	10	2	361	507	170	.6	1.9	5.7	15	3.1	791
1983	7	10	3	400	540	168	.7	1.9	6.0	15	4.5	817
1984	7	9	3	448	579	166	.7	1.6	5.6	13	4.4	849
1985	8	10	3	488	609	187	.7	1.6	5.2	14	4.3	864
1986	8	10	3	547	664	187	.7	1.5	5.4	14	4.1	912
1987	8	9	3	577	679	180	.8	1.3	5.0	12	3.9	890
1988	8	10	3	696	789	179	.8	1.2	5.3	12	3.8	1001
1989	9	10	4	655	711	220	.8	1.4	4.5	12	4.9	874
1990	15	16	3	803	835	299	.9	1.9	5.2	18	3.5	977
1991	12 E	12 E	3	900	900	304 E	.9	1.4	4.1	14	3.4	1015
Sweden												
1981	4125	6158	70	131300	196100	91210	8.3	3.1	6.8	740	8.4	23570
1982	4531	6369	70	140200	197100	93390	8.3	3.2	6.8	765	8.4	23670
1983	4733	6393	68	148200	200200	96020	8.3	3.2	6.7	768	8.2	24030
1984	4867	6293	69	160700	207800	95970	8.3	3.0	6.6	754	8.3	24900
1985	5065	6319	69 E	170300	212500	100200	8.4	3.0	6.3	756	8.3	25430
1986	5137	6241	66	179300	217800	95080	8.4	2.9	6.6	745	7.8	26010
1987	5360	6311	66	191300	225200	94210	8.4	2.8	6.7	751	7.8	26800
1988	5666	6425	65	202500	229600	93710	8.4	2.8	6.9	761	7.7	27190
1989	5656	6136	62	215800	234100	93960	8.5	2.6	6.5	723	7.4	27580
1990	6062	6305	65	225500	234500	98860	8.5	2.7	6.4	739	7.6	27490
1991	6432	6432	63	230400	230400	100800	8.6	2.8	6.4	751	7.4	26900
Switzerland												
1981	3118	4655	23	134400	200700	38080	6.4	2.3	12.2	725	3.6	31260
1982	3401	4781	23	141100	198400	38940	6.5	2.4	12.3	741	3.6	30730
1983	3606	4870	28	148800	200900	40250	6.5	2.4	12.1	751	4.3	30990
1984	3862	4993	25	159800	206600	41920	6.5	2.4	11.9	768	3.8	31760
1985	4084 E	5095 E	23 E	171500	213900	19400	6.5	2.4	26.3	780	3.5	32740
1986	4118 E	5003 E	21	179500	218000	18790	6.6	2.3	26.6	762	3.2	33200
1987	3936 E	4634 E	20	188500	222000	18870	6.6	2.1	24.6	701	3.0	33580
1988	4088 E	4635 E	23	203300	230500	20430	6.7	2.0	22.7	696	3.5	34630
1989	4486 E	4867 E	17	219900	238600	20540	6.7	2.0	23.7	726	2.5	35600
1990	4826 E	5019 E	22	232900	242300	21530	6.7	2.1	23.3	744	3.3	35920
1991	4528 E	4528 E	22	241600	241600	23390	6.8	1.9	19.4	667	3.2	35590

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1991		Thousands	Current	Constant 1991	Constant 1991	Millions	%	%	Constant 1991 dollars	Soldiers
Syria												
	d	d										
1981	1916	2860	270	13150	19640	7580	9.1	14.6	37.7	315	29.8	2164
1982	2234	3140	300	14150	19900	9114	9.4	15.8	34.5	334	31.9	2114
1983	3266 E	4412 E	400	14970	20220	10760 E	9.8	21.8	41.0	452	40.9	2070
1984	3409 E	4408 E	402	15030	19430	10580 E	10.1	22.7	41.7	435	39.6	1916
1985	3593 E	4483 E	402	16510	20600	10680 E	10.5	21.8	42.0	426	38.2	1957
1986	2888 E	3509 E	400	16070	19530	6797	10.9	18.0	51.6	321	36.6	1786
1987	1920 E	2260 E	400	16480	19400	5592	11.4	11.7	40.4	199	35.2	1709
1988	1939 E	2199 E	400	19110	21670	5145	11.8	10.1	42.7	186	33.9	1838
1989	2769 E	3004 E	400	18760	20350	5713	12.2	14.8	52.6	245	32.7	1661
1990	3479 E	3618 E	408	22530	23430	5703	12.7	15.4	63.4	284	32.1	1842
1991	4526 E	4526 E	408	25230	25230	7500 E	13.2	17.9	60.3	342	30.9	1909
Tanzania												
1981	50	75	43	1424	2125	633	19.3	3.5	11.9	4	2.2	110
1982	65	92	43	1504	2114	732 E	19.9	4.3	12.5	5	2.2	106
1983	62	84	43	1551	2096	624	20.6	4.0	13.5	4	2.1	102
1984	56	73	43	1619	2094	542	21.2	3.5	13.4	3	2.0	99
1985	61	76	43	1723	2150	595	21.9	3.5	12.8	3	2.0	98
1986	NA	NA	40	1827	2219	509	22.6	NA	NA	NA	1.8	98
1987	73 E	86 E	40 E	1923	2264	584	23.4	3.8	14.8	4	1.7	97
1988	86 E	98 E	40	2068	2345	669	24.3	4.2	14.6	4	1.6	97
1989	101	109	40	2228	2417	738	25.1	4.5	14.8	4	1.6	96
1990	124 E	129 E	40	2366	2461	828	26.0	5.3	15.6	5	1.5	95
1991	NA	NA	40	2576	2576	946	26.9	NA	NA	NA	1.5	96
Thailand												
1981	1124	1678	250	28860	43080	8233	48.0	3.9	20.4	35	5.2	898
1982	1330	1869	250	31890	44830	9691	49.0	4.2	19.3	38	5.1	916
1983	1387	1874	250	35870	48440	9791	49.9	3.9	19.1	38	5.0	971
1984	1572	2033	250	39950	51660	10260	50.8	3.9	19.8	40	4.9	1016
1985	1874	2338	270	42640	53200	11860	51.7	4.4	19.7	45	5.2	1028
1986	1795	2181	275 E	45800	55640	11710	52.6	3.9	18.6	41	5.2	1057
1987	1786	2103	275 E	51810	61010	11540	53.5	3.4	18.2	39	5.1	1141
1988	1810	2052	273	60990	69160	11510	54.3	3.0	17.8	38	5.0	1273
1989	1937	2101	273	71650	77730	11920	55.2	2.7	17.6	38	4.9	1409
1990	2130	2215	283	82420	85730	12970	56.0	2.6	17.1	40	5.1	1531
1991	2438	2438	283	91920	91920	14370	56.8	2.7	17.0	43	5.0	1618
Togo												
1981	22	33	6	909	1356	465	2.7	2.4	7.1	12	2.2	505
1982	22	31	6	924	1298	438	2.8	2.4	7.0	11	2.2	468
1983	21	28	6	905	1222	406	2.9	2.3	6.8	10	2.1	426
1984	23	30	7	997	1290	480	3.0	2.3	6.2	10	2.4	434
1985	29	36	7	1103	1376	527	3.1	2.6	6.9	12	2.3	447
1986	34	41	7 E	1159	1408	547	3.2	2.9	7.6	13	2.2	442
1987	44	51	8	1206	1420	461	3.3	3.6	11.1	16	2.4	430
1988	NA	NA	6	1333	1512	333 E	3.4	NA	NA	15	1.7	442
1989	48 E	52 E	6	1448	1571	318 E	3.5	3.3	16.3	15	1.7	443
1990	48 E	50 E	8	1540	1602	364 E	3.7	3.1	13.8	14	2.2	435
1991	47 E	47 E	8	1594	1594	NA	3.8	3.0	NA	12	2.1	418

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME	ARMED FORCES PER 1000 PEOPLE	GNP
	Million dollars			Million dollars				PER GNP	PER CGE	PER CAPITA		PER CAPITA
	Current	Constant 1991		Current	Constant 1991	Constant 1991		Millions	%	%		Constant 1991 dollars
Trinidad and Tobago												
1981	25	38	2	3930	5867	2410	1.1	0.6	1.6	34	1.8	5296
1982	79 E	111 E	2	4360	6129	2984	1.1	1.8	3.7	98	1.8	5438
1983	118 E	160 E	2	4066	5492	2566	1.1	2.9	6.2	139	1.7	4784
1984	98 E	127 E	2	3670	4745	2146	1.2	2.7	5.9	109	1.7	4061
1985	NA	NA	2	4461	5566	2493	1.2	NA	NA	NA	1.7	4679
1986	NA	NA	2	4512	5481	2169	1.2	NA	NA	NA	1.7	4528
1987	NA	NA	2	4405	5187	2012	1.2	NA	NA	NA	1.6	4223
1988	NA	NA	2 E	4365	4949	1823	1.2	NA	NA	NA	1.6	3982
1989	67	73	2	4457	4836	1661	1.3	1.5	4.4	58	1.7	3848
1990	NA	NA	2	4554	4737	NA	1.3	NA	NA	NA	1.6	3728
1991	29 E	29 E	2	4842	4842	1700	1.3	.6	1.7	23	1.6	3768
Tunisia												
1981	168	251	29	5969	8911	3193	6.6	2.8	7.8	38	4.4	1347
1982	264	371	32	6303	8860	3703	6.7	4.2	10.0	55	4.7	1313
1983	337	456	28	6890	9306	4050	6.9	4.9	11.3	66	4.1	1354
1984	245	316	38	7627	9862	4231	7.0	3.2	7.5	45	5.4	1401
1985	296 E	369 E	38 E	8264	10310	4185	7.2	3.6	8.8	51	5.3	1428
1986	300 E	365 E	38 E	8333	10120	4414	7.4	3.6	8.3	49	5.1	1367
1987	289 E	340 E	38 E	9149	10770	4104	7.6	3.2	8.3	45	5.0	1420
1988	253	286	40	9526	10800	4036	7.8	2.7	7.1	37	5.2	1392
1989	291	316	40	10340	11220	4248	7.9	2.8	7.4	40	5.0	1415
1990	389 E	404 E	35	11730	12200	4590	8.1	3.3	8.8	50	4.3	1505
1991	433 E	433 E	35	12540	12540	4349	8.3	3.4	9.9	52	4.2	1516
Turkey												
1981	2142	3198	741	42800	63890	15970	46.3	5.0	20.0	69	16.0	1381
1982	2544	3576	769	47590	66910	16570	47.4	5.3	21.6	75	16.2	1411
1983	2551	3446	824	51330	69330	17280	48.6	5.0	19.9	71	17.0	1427
1984	2574	3329	815	56690	73300	18920	49.8	4.5	17.6	67	16.4	1473
1985	2848	3554	814	62000	77350	19820	51.0	4.6	17.9	70	16.0	1518
1986	3362	4085	860	68710	83470	18170	52.2	4.9	22.5	78	16.5	1600
1987	3329	3920	879	76290	89830	20240	53.4	4.4	19.4	73	16.5	1682
1988	3174	3599	847	82030	93010	20370	54.6	3.9	17.7	66	15.5	1702
1989	3803	4126	780	87170	94570	22410	55.9	4.4	18.4	74	14.0	1692
1990	4985	5185	769	99910	103900	25560	57.1	5.0	20.3	91	13.5	1819
1991	5671	5671	804	104500	104500	31740	58.4	5.4	17.9	97	13.8	1790
Uganda												
1981	20	30	6	1173	1752	100	13.1	1.7	30.3	2	0.5	134
1982	28	39	10	1357	1907	243	13.4	2.1	16.2	3	.7	142
1983	30	40	13	1558	2104	282	13.8	1.9	14.3	3	.9	152
1984	32	42	15 E	1753	2266	251	14.3	1.8	16.6	3	1.0	159
1985	24	30	15 E	1790	2234	195	14.9	1.4	15.6	2	1.0	150
1986	35	43	15 E	1812	2202	173	15.5	1.9	24.7	3	1.0	142
1987	65	77	25	1985	2337	121	16.1	3.3	63.2	5	1.5	145
1988	31	35	35	2201	2496	136	16.7	1.4	25.4	2	2.1	149
1989	40	44	40	2479	2690	169	17.4	1.6	25.8	3	2.3	155
1990	56	58	60	2728	2838	308	18.0	2.0	18.8	3	3.3	158
1991	78	78	60	2940	2940	356	18.7	2.6	21.8	4	3.2	157

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Million dollars			Million dollars									Million dollars
	Current	Constant 1991		Current	Constant 1991								Constant 1991
United Arab Emirates													
					E								
1981	2090	3120	44	34820	51980	8176	1.1	6.0	38.2	2835	40.0	47240	
1982	1980	2783	44	32820	46140	7651	1.2	6.0	36.4	2312	36.6	38330	
1983	1973	2665	44	29350	39650	6001	1.3	6.7	44.4	2025	33.4	30130	
1984	1932	2498	44	28890	37350	4670	1.4	6.7	53.5	1737	30.6	25980	
1985	1901 E	2372 E	44	28520	35580	5417	1.6	6.7	43.8	1511	28.0	22660	
1986	1580 E	1919 E	44 E	22700	27580	4424	1.7	7.0	43.4	1120	25.7	16100	
1987	1587	1869	44 E	24760	29160	4253	1.8	6.4	44.0	1012	23.8	15790	
1988	1587	1800	43	24590	27880	4072	2.0	6.5	44.2	908	21.7	14070	
1989	1587	1722	43	27760	30120	3920	2.1	5.7	43.9	814	20.3	14230	
1990	2590 E	2694 E	66	32080	33360	4025	2.3	8.1	66.9	1196	29.3	14820	
1991	4900 E	4900 E	66	31360	31360	3837	2.4	15.6	127.7	2053	27.6	13140	
United Kingdom													
1981	25270	37720	341	530200	791600	326000	56.4	4.8	11.6	669	6.0	14040	
1982	28450	39990	335	572600	805000	338800	56.3	5.0	11.8	710	5.9	14290	
1983	32400	43770	333	619400	836700	348900	56.4	5.2	12.5	776	5.9	14840	
1984	34320	44380	336	661800	855800	346300	56.5	5.2	12.8	786	6.0	15160	
1985	36400	45420	334	710600	886600	359400	56.6	5.1	12.6	802	5.9	15660	
1986	36800	44710	331	760200	923500	359200	56.8	4.8	12.4	788	5.8	16270	
1987	37390	44020	328	818100	963300	354400	56.9	4.6	12.4	773	5.8	16920	
1988	36450	41330	324	884100	1002000	350400	57.1	4.1	11.8	724	5.7	17560	
1989	38480	41750	318	942800	1023000	354800	57.2	4.1	11.8	729	5.6	17870	
1990	40660	42290	308	985400	1025000	377700	57.4	4.1	11.2	737	5.4	17850	
1991	43200	43200	301	1002000	1002000	380100 E	57.6	4.3	11.4	750	5.2	17400	
United States													
1981	169900	253600	2101	3064000	4574000	1073000	230.1	5.5	23.6	1102	9.1	19870	
1982	196400	276100	2168	3180000	4470000	1104000	232.5	6.2	25.0	1187	9.3	19220	
1983	218000	294400	2201	3434000	4639000	1156000	234.8	6.3	25.5	1254	9.4	19760	
1984	237100	306500	2222	3801000	4916000	1160000	237.0	6.2	26.4	1293	9.4	20740	
1985	265800	331600	2244	4054000	5057000	1252000	239.3	6.6	26.5	1386	9.4	21140	
1986	280900	341300	2269	4278000	5197000	1258000	241.6	6.6	27.1	1412	9.4	21510	
1987	288200	339300	2279	4544000	5351000	1245000	243.9	6.3	27.2	1391	9.3	21940	
1988	293100	332300	2246	4908000	5565000	1268000	246.3	6.0	26.2	1349	9.1	22590	
1989	304100	329900	2241	5267000	5714000	1292000	248.8	5.8	25.5	1326	9.0	22970	
1990	306200	318400	2181	5543000	5765000	1356000	250.4	5.5	23.5	1272	8.7	23020	
1991	280300	280300	2115	5695000	5695000	1432000	252.5	4.9	19.6	1110	8.4	22550	
Upper Volta (see Burkina Faso)													
Uruguay													
1981	256	382	28	6349	9478	2474	2.9	4.0	15.4	130	9.5	3229	
1982	249	350	29	5997	8431	2647	3.0	4.1	13.2	118	9.8	2854	
1983	192	259	30	5397	7290	2088	3.0	3.6	12.4	87	10.1	2452	
1984	180	233	30	5867	7587	2143	3.0	3.1	10.9	78	10.0	2537	
1985	168	210	30	5812	7251	1980	3.0	2.9	10.6	70	10.0	2410	
1986	177	215	30 E	6544	7950	2132	3.0	2.7	10.1	71	9.9	2627	
1987	143	168	28	7263	8552	2191	3.0	2.0	7.7	55	9.2	2808	
1988	167	189	29	7530	8538	2328	3.1	2.2	8.1	62	9.5	2787	
1989	196	212	27	7946	8621	2427	3.1	2.5	8.7	69	8.8	2796	
1990	211	219	25	8436	8774	2412	3.1	2.5	9.1	71	8.1	2828	
1991	198 E	198 E	25	9246	9246	1770 E	3.1	2.1	11.2	63	8.0	2962	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			GNP	CGE							
	Current	Constant 1991		Current	Constant 1991	Constant 1991		Millions	%	%		
Venezuela												
1981	290	433	55	30010	44810	13510	15.5	1.0	3.2	28	3.6	2894
1982	449	631	56	30420	42760	12390	15.9	1.5	5.1	40	3.5	2684
1983	577	780	56	30280	40900	9847	16.4	1.9	7.9	48	3.4	2496
1984	547	708	64	31770	41090	9220	16.8	1.7	7.7	42	3.8	2439
1985	340	424	71	32990	41160	9445	17.3	1.0	4.5	24	4.1	2378
1986	467	568	66	36570	44430	11040	17.8	1.3	5.1	32	3.7	2500
1987	1150 E	1354 E	69	38900	45800	11840	18.2	3.0	11.4	74	3.8	2510
1988	887 E	1006 E	73	42790	48520	13470	18.7	2.1	7.5	54	3.9	2592
1989	899 E	975 E	75	39480	42830	9844	19.2	2.3	9.9	51	3.9	2230
1990	927 E	964 E	75	45700	47530	10830	19.7	2.0	8.9	49	3.8	2413
1991	1900	1900	73	52670	52670	10420	20.2	3.6	18.2	94	3.6	2609
Vietnam												
	E	E		E	E	E						
1981	NA	NA	1000	NA	NA	NA	54.5	NA	NA	NA	18.4	NA
1982	NA	NA	1000	NA	NA	NA	55.6	NA	NA	NA	18.0	NA
1983	NA	NA	1000	NA	NA	NA	56.8	NA	NA	NA	17.6	NA
1984	NA	NA	1000	NA	NA	NA	58.0	NA	NA	NA	17.2	NA
1985	NA	NA	1000	NA	NA	NA	59.3	NA	NA	NA	16.9	NA
1986	2406	2923	1300	12400	15060	2862	60.7	19.4	102.1	48	21.4	248
1987	NA	NA	1300	12600	14840	2463	62.0	NA	NA	NA	21.0	239
1988	NA	NA	1100	13200	14970	2754	63.4	NA	NA	NA	17.3	236
1989	NA	NA	1000	14200	15410	2881	64.8	NA	NA	NA	15.4	238
1990	723	752	1000	13900	14460	2833	66.2	5.2	26.5	11	15.1	218
1991	720	720	1000	15000	15000	1800	67.6	4.8	40.0	11	14.8	222
Yemen (Aden)												
						E						
1981	121	181	23	680	1015	NA	2.0	17.8	NA	92	11.7	514
1982	141	198	25	882	1240	NA	2.0	16.0	NA	98	12.3	611
1983	154 E	208 E	25	877	1184	990	2.1	17.5	21.0	100	12.0	567
1984	178 E	231 E	27	1286	1663	NA	2.1	13.9	NA	107	12.6	774
1985	181 E	225 E	27	1262	1574	NA	2.2	14.3	NA	102	12.2	712
1986	193 E	234 E	34 E	1089	1323	NA	2.3	17.7	NA	103	14.9	580
1987	190 E	223 E	40	1129	1330	NA	2.4	16.8	NA	95	17.0	566
1988	199 E	226 E	88	1153	1308	908	2.4	17.3	24.9	93	36.1	539
1989g	214 E	232 E	88	1175	1275	NA	2.5	18.2	NA	93	34.9	509
Yemen (Sanaa)												
1981	461	689	30	4105	6129	2394	5.5	11.2	28.8	124	5.4	1106
1982	629	884	22	4780	6719	2738	5.7	13.2	32.3	155	3.9	1182
1983	647	873	22	5035	6800	2573	5.8	12.8	33.9	150	3.8	1165
1984	512	663	28	5372	6946	2286	6.0	9.5	29.0	110	4.7	1158
1985	308	384	28	5814	7254	1363	6.2	5.3	28.2	62	4.5	1176
1986	327	397	28 E	6343	7706	1447	6.3	5.2	27.5	63	4.4	1215
1987	334	393	43	6779	7983	1796	6.5	4.9	21.9	60	6.6	1222
1988	624	707	62	7523	8530	2356	6.7	8.3	30.0	105	9.2	1267
1989	743	806	62	7480	8115 E	2707	6.9	9.9	29.8	116	8.9	1169
1990g	1010	1050	127	7304	7597 E	4125	9.7	13.8	25.5	108	13.0	779
1991g	1061 E	1061 E	127	7341	7341 E	3752	10.1	14.4	28.3	105	12.6	729

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Million dollars			Million dollars									Million dollars
	Current	Constant 1991		Current	Constant 1991								Constant 1991
			Thousands				Millions	%	%	Constant 1991 dollars	Soldiers	Constant 1991 dollars	
Yugoslavia													
1981	3087	4608	260	75300	112400	9135	22.5	4.1	50.4	205	11.5	5003	
1982	2974	4181	259	79790	112200	8332	22.6	3.7	50.2	185	11.4	4954	
1983	2919	3943	259	82010	110800	8482	22.8	3.6	46.5	173	11.4	4857	
1984	3174	4104	259	87080	112600	8244	23.0	3.6	49.8	179	11.3	4902	
1985	3339	4166	258	90670	113100	7596	23.1	3.7	54.8	180	11.2	4892	
1986	3837	4661	234	97140	118000	7771	23.3	3.9	60.0	200	10.0	5070	
1987	4058	4778	234	98680	116200	8674	23.4	4.1	55.1	204	10.0	4961	
1988	3797	4306	229	101100	114700	8846	23.6	3.8	48.7	183	9.7	4866	
1989	2972	3225	225	107400	116600	6060	23.7	2.8	53.2	136	9.5	4919	
1990	4210 E	4379 E	180	104500	108700	7965 E	23.8	4.0	55.0	184	7.6	4565	
1991	NA	NA E	169	NA	NA	NA	23.9	NA	NA	NA	7.1	NA	
Zaire													
1981	32	48	44	5517	8237	1232	27.3	0.6	3.9	2	1.6	301	
1982	64	90	40	5847	8219	1136	28.2	1.1	7.9	3	1.4	291	
1983	NA	NA	42	6140	8293	928	29.0	NA	NA	NA	1.5	286	
1984	124	160	60	6549	8468	1175	30.2	1.9	13.6	5	2.0	281	
1985	81	101	62	6691	8348	1033	31.1	1.2	9.8	3	2.0	268	
1986	162	197	53	7381	8967	1084	32.1	2.2	18.2	6	1.7	279	
1987	NA	NA	53	7899	9301	NA	33.2	NA	NA	NA	1.6	280	
1988	229	260	51	8314	9426	1861	34.3	2.8	14.0	8	1.5	275	
1989	NA	NA	51	8541	9266	1646	35.4	NA	NA	NA	1.4	262	
1990	NA	NA	55	8577	8920	1367	36.6	NA	NA	NA	1.5	244	
1991	NA	NA	60	NA	NA	NA	37.8	NA	NA	NA	1.6	NA	
Zambia													
	E	E											
1981	NA	NA	17	2309	3448	1303	5.8	NA	NA	NA	2.9	593	
1982	174	244	16	2320	3262	1485	6.0	7.5	16.5	40	2.6	540	
1983	NA	NA	16	2320	3133	1130	6.3	NA	NA	NA	2.5	498	
1984	159	205	16	2352	3042	1044	6.5	6.7	19.6	31	2.5	466	
1985	NA	NA	16	2465	3075	1283	6.8	NA	NA	NA	2.4	454	
1986	NA	NA	17	2344	2847	1593	7.0	NA	NA	NA	2.4	405	
1987	NA	NA	17	2549	3002	1240	7.3	NA	NA	NA	2.3	410	
1988	82	92	17	3034	3441	1173	7.6	2.7	7.9	12	2.2	453	
1989	94	102	17	3357	3643	707	7.9	2.8	14.4	13	2.2	462	
1990	80	84	16	3410	3547	NA	8.2	2.4	NA	10	2.0	435	
1991	NA	NA	16	NA	NA	NA	8.4	NA	NA	NA	1.9	NA	
Zimbabwe													
1981	181	270	74	2918	4357	1405	7.6	6.2	19.2	36	9.8	575	
1982	202	284	50	3117	4382	1819	7.8	6.5	15.6	36	6.4	562	
1983	207	279	46	3284	4435	1672	8.1	6.3	16.7	35	5.7	550	
1984	228	294	46	3419	4421	1964	8.4	6.7	15.0	35	5.5	529	
1985	218	273	46	3764	4697	1887	8.7	5.8	14.4	31	5.3	543	
1986	249	302	45	3874	4707	1933	9.0	6.4	15.6	34	5.0	525	
1987	304	358	45	4028	4744	2217	9.3	7.5	16.1	38	4.8	509	
1988	290	328	45	4564	5175	2194	9.7	6.3	15.0	34	4.6	533	
1989	316	343	51	5041	5470	2292	10.1	6.3	15.0	34	5.1	544	
1990	285	297	45	5328	5542	2276	10.4	5.4	13.0	29	4.3	533	
1991	316 E	316 E	45	5699	5699	2265 E	10.7	5.5	14.0	29	4.2	532	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1981-1991 — continued

E Estimate based on partial or uncertain data. NA Not available. O Nil or negligible.
R Rough Estimate (see Statistical Notes).

- a In order to reduce distortions in grouped data trends caused by data gaps for individual countries and years (shown as "NA"), the totals for the world, regions, and organizations include rough approximations for the gaps.
- b Estimated by adding arms imports to data on military expenditures, which are believed to exclude arms purchases. However, it should be noted that the value of arms deliveries in a given year, as shown in table II (converted at current exchange rates), may differ significantly from actual expenditures on arms imports in that year.
- c This ratio is calculated from the two variables as expressed in dollar terms. Since in this case the two variables are converted to, or estimated in, dollars in differing ways, the ratio in dollars differs from what it would be in national currency terms. See also Statistical Notes, Military Expenditures-to-GNP ratio.
- d This series or entry probably omits a major share of total military expenditures, probably including most expenditures on arms procurement. Table II shows estimated annual arms imports; it should be kept in mind, however, that data in table II represent the estimated value of arms delivered in a given year, not actual expenditures on those arms.
- e Unified Germany as of 1991 is shown under West Germany; data for East Germany end in 1990.
- f Some part of estimated total military expenditures may not be included in announced central budget expenditures. The ratio of ME to CGE therefore may be somewhat overstated.
- g Unified Yemen as of 1990 is shown under Yemen (Sanaa); data for Yemen (Aden) end in 1989.

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Billion dollars		Billion dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
TOTALS ^d										
WORLD	e	e								
1981	44610	66610	44610	66610	2015	3008	1961	2927	2.2	2.3
1982	49270	69260	49270	69260	1898	2668	1840	2586	2.6	2.7
1983	50100	67680	50100	67680	1848	2496	1800	2432	2.7	2.8
1984	56270	72760	56270	72760	1960	2535	1899	2456	2.9	3.0
1985	50540	63060	50540	63060	1978	2467	1917	2392	2.6	2.6
1986	50380	61200	50380	61200	2167	2633	2115	2569	2.3	2.4
1987	58360	68710	58360	68710	2520	2968	2460	2896	2.3	2.4
1988	54610	61930	54610	61930	2869	3253	2795	3170	1.9	1.9
1989	50060	54320	50060	54320	3094	3356	3004	3260	1.6	1.7
1990	38250	39780	38250	39780	3516	3656	3379	3515	1.1	1.1
1991	25530	25530	25530	25530	3516	3516	3423	3423	.7	.7
DEVELOPED	e	e								
1981	9435	14090	41380	61780	1445	2158	1375	2052	0.7	3.0
1982	9180	12900	42900	60310	1361	1913	1316	1850	.7	3.2
1983	10610	14330	45920	62030	1342	1813	1309	1768	.8	3.5
1984	11710	15150	48510	62730	1458	1885	1383	1789	.8	3.5
1985	12520	15630	46100	57520	1489	1858	1418	1769	.8	3.2
1986	12710	15450	46140	56050	1677	2037	1647	2001	.8	2.8
1987	11890	14000	52180	61450	1960	2309	1905	2243	.6	2.7
1988	12490	14160	47000	53300	2203	2498	2161	2450	.6	2.2
1989	12040	13060	44850	48660	2364	2565	2298	2493	.5	2.0
1990	8090	8414	35080	36490	2692	2800	2581	2684	.3	1.4
1991	6325	6325	23540	23540	2625	2625	2573	2573	.2	.9
DEVELOPING										
1981	35080	52370	3275	4889	570	851	586	875	6.2	0.6
1982	40300	56660	6355	8933	537	755	524	736	7.5	1.2
1983	39420	53250	4455	6017	506	684	491	663	7.8	.9
1984	44630	57720	7775	10050	502	650	516	667	8.9	1.5
1985	38060	47480	4550	5677	488	609	500	623	7.8	.9
1986	37670	45770	4265	5182	491	596	467	568	7.7	.9
1987	46410	54650	6200	7301	560	659	555	653	8.3	1.1
1988	42100	47740	7415	8408	666	755	635	719	6.3	1.2
1989	38080	41320	5170	5609	730	792	707	767	5.2	.7
1990	30690	31920	3130	3255	823	856	799	831	3.7	.4
1991	19390	19390	1880	1880	891	891	850	850	2.2	.2

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Billion dollars		Billion dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
BY REGION ^d										
AFRICA										
1981	7780	11610	85	127	99	148	95	141	7.9	0.1
1982	7365	10350	310	436	85	119	81	113	8.7	.4
1983	6865	9273	85	115	76	103	78	106	9.0	.1
1984	7690	9944	60	78	70	91	78	100	11.0	.1
1985	5270	6575	190	237	63	78	77	96	8.4	.2
1986	4620	5613	90	109	60	73	63	76	7.6	.1
1987	5610	6606	150	177	64	76	74	87	8.7	.2
1988	4970	5635	120	136	72	82	72	82	6.9	.2
1989	4175	4530	200	217	76	83	77	83	5.5	.3
1990	2060	2143	160	166	83	86	93	97	2.5	.2
1991	900	900	50	50	85	85	103	103	1.1	0
EAST ASIA										
1981	4380	6539	1460	2180	287	428	287	428	1.5	0.5
1982	4640	6523	3105	4365	272	382	274	385	1.7	1.1
1983	4765	6436	2585	3492	274	370	290	391	1.7	.9
1984	5390	6970	3525	4558	292	378	332	430	1.8	1.1
1985	5890	7349	1475	1840	293	365	337	420	2.0	.4
1986	5820	7071	1935	2351	294	357	386	468	2.0	.5
1987	7510	8843	2850	3356	355	418	457	538	2.1	.6
1988	6995	7931	3900	4422	454	515	541	613	1.5	.7
1989	6180	6705	2940	3190	515	559	578	627	1.2	.5
1990	4615	4800	1815	1888	577	601	625	650	.8	.3
1991	3680	3680	1165	1165	629	629	698	698	.6	.2
EUROPE, ALL										
1981	8700	12990	32620	48710	982	1465	915	1366	0.9	3.6
1982	8760	12310	34040	47850	941	1323	898	1262	.9	3.8
1983	9930	13410	34640	46790	912	1232	889	1201	1.1	3.9
1984	9835	12720	39340	50870	923	1194	912	1180	1.1	4.3
1985	10210	12740	35730	44580	960	1198	947	1181	1.1	3.8
1986	11150	13550	37280	45300	1122	1363	1138	1383	1.0	3.3
1987	11120	13100	38640	45500	1348	1587	1348	1588	.8	2.9
1988	10210	11580	35890	40690	1504	1706	1485	1684	.7	2.4
1989	11910	12920	31110	33760	1605	1741	1565	1698	.7	2.0
1990	6865	7140	25060	26060	1909	1985	1801	1873	.4	1.4
1991	4130	4130	13600	13600	1847	1847	1739	1739	.2	.8
—NATO EUROPE										
1981	3720	5554	10950	16350	708	1058	657	981	0.5	1.7
1982	4000	5623	10750	15110	676	950	633	890	.6	1.7
1983	4290	5795	10590	14300	645	871	617	833	.7	1.7
1984	3970	5133	14490	18740	656	848	634	820	.6	2.3
1985	3715	4635	12720	15880	681	850	668	834	.5	1.9
1986	3645	4428	10490	12750	805	978	814	988	.5	1.3
1987	5325	6270	11250	13250	986	1161	980	1154	.5	1.1
1988	5590	6338	9550	10830	1110	1259	1085	1230	.5	.9
1989	7845	8511	8435	9151	1196	1298	1168	1267	.7	.7
1990	4570	4753	9800	10190	1454	1512	1402	1458	.3	.7
1991	3745	3745	6410	6410	1490	1490	1402	1402	.3	.5

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL	ARMS ^c EXPORTS TOTAL
	Million dollars		Million dollars		Billion dollars		Billion dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
—WARSAW PACT										
			f	f						
1981	4470	6673	20500	30600	151	225	153	229	3.0	13.4
1982	4150	5834	22180	31180	152	214	164	231	2.7	13.5
1983	4795	6477	22670	30620	157	212	172	232	3.1	13.2
1984	4980	6439	22930	29650	157	203	173	224	3.2	13.2
1985	5470	6825	21880	27300	162	202	168	210	3.4	13.0
1986	6580	7994	25620	31130	176	214	187	227	3.7	13.7
1987	4580	5393	25820	30410	190	224	203	239	2.4	12.7
1988	3950	4479	25020	28380	205	232	215	244	1.9	11.6
1989	3150	3418	21710	23560	204	221	204	221	1.5	10.7
1990	1615	1680	14600	15180	219	228	170	177	.7	8.6
1991	220	220	7070	7070	130	130	116	116	.2	6.1
—OTHER EUROPE										
1981	510	761	1175	1754	122	182	105	156	0.4	1.1
1982	610	857	1110	1560	113	159	100	141	.5	1.1
1983	845	1141	1380	1864	110	148	100	135	.8	1.4
1984	885	1144	1925	2489	111	143	105	136	.8	1.8
1985	1030	1285	1120	1397	117	146	111	138	.9	1.0
1986	930	1130	1170	1421	141	171	138	167	.7	.9
1987	1220	1437	1565	1843	171	202	166	195	.7	.9
1988	670	760	1315	1491	190	215	186	211	.4	.7
1989	915	993	965	1047	205	222	194	210	.4	.5
1990	680	707	660	686	236	245	229	238	.3	.3
1991	165	165	120	120	227	227	220	220	.1	.1
LATIN AMERICA										
1981	3590	5359	205	306	113	169	105	157	3.2	0.2
1982	3600	5061	760	1068	92	130	96	135	3.9	.8
1983	3425	4626	195	263	70	94	95	129	4.9	.2
1984	4325	5592	820	1060	74	95	106	137	5.9	.8
1985	3955	4934	545	680	73	92	101	126	5.4	.5
1986	3295	4003	340	413	75	91	85	103	4.4	.4
1987	3780	4451	900	1060	82	96	94	111	4.6	1.0
1988	3460	3923	1215	1378	91	103	107	122	3.8	1.1
1989	2815	3054	325	353	97	105	118	128	2.9	.3
1990	2420	2517	130	135	107	111	127	133	2.3	.1
1991	980	980	95	95	123	123	125	125	.8	.1
MIDDLE EAST										
1981	15990	23880	1075	1605	130	195	205	306	12.3	0.5
1982	19280	27100	810	1139	134	189	161	226	14.3	.5
1983	20640	27880	350	473	128	173	125	168	16.1	.3
1984	23730	30690	800	1034	116	150	111	144	20.4	.7
1985	18300	22830	835	1042	94	118	101	127	19.4	.8
1986	17410	21150	905	1099	88	106	81	98	19.9	1.1
1987	22120	26050	945	1113	87	103	85	100	25.3	1.1
1988	17900	20300	1130	1281	97	110	86	98	18.4	1.3
1989	13960	15150	1385	1503	97	105	110	120	14.4	1.3
1990	14730	15320	530	551	108	112	134	140	13.7	.4
1991	10710	10710	410	410	109	109	129	129	9.8	.3

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Billion dollars		Billion dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
NORTH AMERICA										
1981	1240	1851	8890	13270	343	513	311	465	0.4	2.9
1982	1450	2038	9780	13750	313	440	288	404	.5	3.4
1983	1410	1905	12020	16240	335	452	282	381	.4	4.3
1984	1900	2457	11250	14550	424	548	314	406	.4	3.6
1985	1900	2370	11650	14530	433	540	310	386	.4	3.8
1986	2030	2466	9725	11810	468	568	317	386	.4	3.1
1987	2370	2791	14800	17430	517	609	352	415	.5	4.2
1988	2960	3356	12050	13660	572	649	439	498	.5	2.7
1989	1800	1953	13950	15130	613	665	484	525	.3	2.9
1990	1820	1893	10380	10800	640	666	520	541	.3	2.0
1991	2100	2100	10020	10020	634	634	549	549	.3	1.8
OCEANIA										
1981	580	866	40	60	34	51	28	42	1.7	0.1
1982	200	281	25	35	34	48	28	39	.6	.1
1983	460	621	60	81	28	38	26	35	1.6	.2
1984	640	828	70	91	34	44	30	39	1.9	.2
1985	990	1235	140	175	33	42	30	37	3.0	.5
1986	1050	1276	50	61	34	41	30	36	3.1	.2
1987	775	913	80	94	38	45	31	37	2.0	.3
1988	1200	1361	85	96	45	51	44	49	2.6	.2
1989	885	960	90	98	56	61	48	52	1.6	.2
1990	340	354	60	62	53	55	51	53	.6	.1
1991	250	250	30	30	52	52	53	53	.5	.1
SOUTH ASIA										
1981	2170	3240	60	90	27	40	14	21	8.1	0.4
1982	4070	5721	30	42	26	36	14	20	15.8	.2
1983	2285	3086	310	419	25	34	15	20	9.2	2.1
1984	2625	3394	380	491	27	35	16	20	9.8	2.4
1985	3825	4772	50	62	28	35	15	19	13.6	.3
1986	4890	5941	45	55	27	33	16	19	18.1	.3
1987	4830	5687	10	12	29	34	19	22	16.8	.1
1988	6750	7654	10	11	33	37	21	24	20.7	0
1989	8320	9027	10	11	35	38	24	26	23.8	0
1990	5850	6084	40	42	39	40	28	29	15.0	.1
1991	2910	2910	10	10	37	37	28	28	7.9	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Billion dollars		Billion dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
BY ORGANIZATION ^d										
NATO, ALL	e	e								
1981	4960	7405	19840	29620	1052	1570	969	1446	0.5	2.0
1982	5450	7661	20530	28860	989	1390	921	1294	.6	2.2
1983	5700	7699	22610	30540	980	1323	899	1215	.6	2.5
1984	5870	7590	25740	33280	1080	1397	948	1226	.5	2.7
1985	5615	7005	24370	30410	1115	1391	978	1220	.5	2.5
1986	5675	6894	20220	24570	1273	1547	1131	1374	.4	1.8
1987	7695	9061	26050	30670	1503	1770	1332	1569	.5	2.0
1988	8550	9695	21600	24490	1682	1908	1524	1728	.5	1.4
1989	9645	10460	22380	24290	1809	1963	1652	1792	.5	1.4
1990	6390	6646	20180	20990	2094	2178	1922	1999	.3	1.0
1991	5845	5845	16430	16430	2124	2124	1951	1951	.3	.8
WARSAW PACT			f	f						
1981	4470	6673	20500	30600	151	225	153	229	3.0	13.4
1982	4150	5834	22180	31180	152	214	164	231	2.7	13.5
1983	4795	6477	22670	30620	157	212	172	232	3.1	13.2
1984	4980	6439	22930	29650	157	203	173	224	3.2	13.2
1985	5470	6825	21880	27300	162	202	168	210	3.4	13.0
1986	6580	7994	25620	31130	176	214	187	227	3.7	13.7
1987	4580	5393	25820	30410	190	224	203	239	2.4	12.7
1988	3950	4479	25020	28380	205	232	215	244	1.9	11.6
1989	3150	3418	21710	23560	204	221	204	221	1.5	10.7
1990	1615	1680	14600	15180	219	228	170	177	.7	8.6
1991	220	220	7070	7070	130	130	116	116	.2	6.1
OPEC										
1981	14410	21520	615	918	159	237	278	416	9.1	0.2
1982	17550	24670	300	422	161	226	222	312	10.9	.1
1983	15820	21370	90	122	142	192	178	241	11.2	.1
1984	21990	28440	105	136	126	162	169	219	17.5	.1
1985	16110	20110	115	143	105	131	156	195	15.4	.1
1986	15940	19370	105	128	93	113	112	136	17.2	.1
1987	16950	19970	120	141	92	109	121	142	18.4	.1
1988	15290	17340	160	181	104	118	121	137	14.7	.1
1989	12090	13120	220	239	105	114	146	159	11.5	.2
1990	12310	12810	145	151	118	122	185	193	10.5	.1
1991	9415	9415	65	65	127	127	190	190	7.4	0
OECD										
1981	6590	9838	20940	31270	1332	1988	1240	1852	0.5	1.7
1982	6600	9278	21460	30170	1252	1759	1176	1653	.5	1.8
1983	7510	10140	23990	32400	1230	1661	1161	1568	.6	2.1
1984	8215	10620	27360	35380	1346	1741	1241	1604	.6	2.2
1985	8595	10720	25360	31650	1380	1722	1283	1601	.6	2.0
1986	8450	10270	21260	25830	1560	1896	1497	1818	.5	1.4
1987	10050	11830	27490	32380	1848	2176	1746	2056	.5	1.6
1988	11170	12670	22870	25930	2088	2368	2002	2270	.5	1.1
1989	12970	14080	23390	25380	2260	2452	2151	2334	.6	1.1
1990	8390	8726	20720	21550	2595	2699	2472	2571	.3	.8
1991	7035	7035	16560	16560	2620	2620	2523	2523	.3	.7

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
BY COUNTRY										
Afghanistan										C
1981	700	1045	0	0	886	1323	694	1036	79.0	0.0
1982	700	984	0	0	962	1352	708	995	72.8	0
1983	490	662	0	0	1064	1437	729	985	46.1	0
1984	650	840	0	0	1390	1797	633	818	46.8	0
1985	650	811	0	0	1194	1490	567	707	54.4	0
1986	1300	1579	0	0	1404	1706	552	671	92.6	0
1987	1400	1649	0	0	996	1173	512	603	140.6	0
1988	2600	2948	0	0	900	1020	395	448	288.9	0
1989	3800	4123	0	0	822	892	236	256	462.3	0
1990	3500	3640	0	0	936	974	235	244	373.8	0
1991	1900	1900	0	0	874E	874E	236E	236E	217.4	0
Albania										
1981	0	0	0	0	NA	NA	NA	NA	NA	NA
1982	0	0	0	0	137	193	NA	NA	0	NA
1983	0	0	0	0	280	379	290	392	0	0
1984	0	0	0	0	NA	NA	NA	NA	NA	NA
1985	0	0	0	0	335	418	345	430	0	0
1986	0	0	0	0	363	441	428	520	0	0
1987	0	0	0	0	255E	300 E	378E	445E	0	0
1988	0	0	0	0	NA	NA	NA	NA	NA	NA
1989	0	0	0	0	NA	NA	NA	NA	NA	NA
1990	0	0	0	0	NA	NA	NA	NA	NA	NA
1991	0	0	0	0	147E	147E	80 E	80E	0	0
Algeria										
1981	1400	2090	0	0	11270	16820	14400	21490	12.4	0.0
1982	1200	1687	0	0	10740	15090	13140	18480	11.2	0
1983	675	912	0	0	10400	14050	12580	17000	6.5	0
1984	775	1002	20	26	10290	13300	12800	16550	7.5	.2
1985	480	599	0	0	9841	12280	12840	16020	4.9	0
1986	625	759	0	0	9228	11210	7430	9027	6.8	0
1987	700	824	0	0	7042	8292	8605	10130	9.9	0
1988	825	935	0	0	7342	8325	7680	8708	11.2	0
1989	600	651	0	0	8818	9567	9100	9873	6.8	0
1990	290	302	0	0	10420	10840	10200E	10610E	2.8	0
1991	100	100	0	0	9052	9052	11700E	11700E	1.1	0
Angola										C
1981	700	1045	0	0	1662	2481	1856	2771	42.1	0.0
1982	725	1019	0	0	886	1245	1629	2290	81.8	0
1983	1100	1486	0	0	686	927	1822	2461	160.3	0
1984	1500	1940	0	0	774	1001	2033	2629	193.8	0
1985	800	998	0	0	658	821	2238	2792	121.6	0
1986	1300	1579	0	0	525	638	1303	1583	247.6	0
1987	1700	2002	0	0	NA	NA	NA	NA	NA	NA
1988	1600	1814	0	0	NA	NA	NA	NA	NA	NA
1989	750	814	0	0	2500E	2712E	2900E	3146E	30.0	0
1990	490	510	0	0	1500 E	1560E	3900E	4056E	32.7	0
1991	30	30	0	0	NA	NA	NA	NA	NA	NA

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Argentina										
1981	500	746	10	15	9430	14080	9143	13650	5.3	0.1
1982	290	408	0	0	5337	7502	7625	10720	5.4	0
1983	1000	1351	20	27	4504	6084	783ff	10580	22.2	.3
1984	470	608	120	155	4585	5929	8107	10480	10.3	1.5
1985	200	250	80	100	3814	4758	8396	10480	5.2	1.0
1986	180	219	40	49	4724	5739	6852	8324	3.8	.6
1987	140	165	70	82	5818	6851	6360	7489	2.4	1.1
1988	290	329	70	79	5322	6034	9135	10360	5.4	.8
1989	50	54	60	65	4203	4560	9579	10390	1.2	.6
1990	90	94	20	21	4078	4241	12350	12850	2.2	.2
1991	10	10	5	5	8090	8090	11970	11970	.1	0
Australia										
1981	550	821	40	60	26210	39140	21470	32060	2.1	0.2
1982	180	253	20	28	26670	37490	21360	30030	.7	.1
1983	390	527	60	81	21460	28980	19330	26120	1.8	.3
1984	550	711	70	91	25920	33510	23160	29940	2.1	.3
1985	900	1123	140	175	25890	32300	22740	28370	3.5	.6
1986	1000	1215	50	61	26100	31710	22620	27480	3.8	.2
1987	725	854	80	94	29320	34520	22520	26510	2.5	.4
1988	1100	1247	80	91	36090	40930	33070	37500	3.0	.2
1989	775	841	90	98	44930	48750	37660	40860	1.7	.2
1990	310	322	60	62	41290	42950	39840	41430	.8	.2
1991	210	210	30	30	41690	41690	41760	41760	.5	.1
Austria										
1981	80	119	320	478	21040	31410	15840	23650	0.4	2.0
1982	50	70	80	112	19500	27410	15640	21990	.3	.5
1983	50	68	120	162	19420	26240	15430	20840	.3	.8
1984	30	39	220	284	19630	25380	15740	20350	.2	1.4
1985	20	25	160	200	20990	26180	17240	21510	.1	.9
1986	10	12	270	328	26860	32640	22510	27340	0	1.2
1987	20	24	60	71	32720	38530	27170	31990	.1	.2
1988	80	91	70	79	36220	41070	31030	35180	.2	.2
1989	110	119	40	43	38980	42290	31900	34610	.3	.1
1990	10	10	30	31	49150	51110	41260	42920	0	.1
1991	10	10	10	10	50830	50830	41110	41110	0	0
Bahrain										
1981	40	60	0	0	4124	6157	4347	6490	1.0	0.0
1982	5	7	0	0	3614	5080	3789	5326	.1	0
1983	30	41	0	0	3262	4406	3199	4321	.9	0
1984	40	52	0	0	3531	4566	3204	4143	1.1	0
1985	10	12	0	0	3159	3941	2897	3614	.3	0
1986	50	61	0	0	2405	2922	2199	2672	2.1	0
1987	370	436	0	0	2714	3196	2430	2861	13.6	0
1988	30	34	0	0	2593	2940	2411	2734	1.2	0
1989	60	65	0	0	3134	3400	2831	3071	1.9	0
1990	270	281	0	0	3711	3860	3758	3909	7.3	0
1991	50	50	0	0	4013	4013	3544	3544	1.2	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Bangladesh										
1981	50	75	0	0	2699	4029	791	1181	1.9	0.0
1982	40	56	0	0	2307	3243	769	1081	1.7	0
1983	60	81	0	0	2165	2924	724	978	2.8	0
1984	30	39	40	52	2825	3653	931	1204	1.1	4.3
1985	60	75	0	0	2772	3458	999	1246	2.2	0
1986	70	85	0	0	2486	3020	887	1078	2.8	0
1987	50	59	0	0	2680	3156	1067	1256	1.9	0
1988	50	57	0	0	3046	3454	1291	1464	1.6	0
1989	110	119	0	0	3648	3958	1305	1416	3.0	0
1990	30	31	0	0	3598	3742	1671	1738	.8	0
1991	40	40	0	0	3401	3401	1689	1689	1.2	0
Barbados										
1981	10	15	0	0	571	852	195	291	1.8	0.0
1982	0	0	0	0	551	775	257	361	0	0
1983	0	0	0	0	616	832	321	434	0	0
1984	0	0	0	0	657	850	390	504	0	0
1985	0	0	0	0	607	757	352	439	0	0
1986	5	6	0	0	587	713	275	334	.9	0
1987	20	24	0	0	515	606	154	181	3.9	0
1988	0	0	0	0	582	660	173	196	0	0
1989	0	0	0	0	673	730	186	202	0	0
1990	0	0	0	0	700	728	209	217	0	0
1991	0	0	0	0	694	694	205	205	0	0
Belgium										
1981	340	508	340	508	62430	93200	55690	83140	0.5	0.6
1982	330	464	200	281	58230	81850	52360	73600	.6	.4
1983	460	621	340	459	55310	74710	51940	70160	.8	.7
1984	410	530	390	504	55460	71710	51890	67100	.7	.8
1985	300	374	380	474	56180	70090	53740	67050	.5	.7
1986	180	219	220	267	68600	83350	68820	83610	.3	.3
1987	160	188	90	106	83230	98010	83100	97850	.2	.1
1988	290	329	50	57	92440	104800	92130	104500	.3	.1
1989	230	250	40	43	98470	106800	100000	108500	.2	0
1990	220	229	170	177	119700	124500	117700	122400	.2	.1
1991	210	210	30	30	120200	120200	118200	118200	.2	.2
Benin										
1981	40	60	0	0	544	812	34	51	7.4	0.0
1982	40	56	0	0	464	653	24	34	8.6	0
1983	50	68	0	0	294	397	67	90	17.0	0
1984	10	13	0	0	288	372	167	216	3.5	0
1985	10	12	0	0	298	372	123	153	3.4	0
1986	10	12	0	0	314	381	104	126	3.2	0
1987	0	0	0	0	349	411	114	134	0	0
1988	10	11	0	0	567	643	71	80	1.8	0
1989	0	0	0	0	424	460	100	108	0	0
1990	5	5	0	0	554	576	100	104	.9	0
1991	0	0	0	0	651	651	109	109	0	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Bolivia										
1981	70	105	0	0	975	1456	912	1362	7.2	0.0
1982	0	0	0	0	578	813	828	1164	0	0
1983	0	0	0	0	589	796	755	1020	0	0
1984	10	13	0	0	492	636	725	937	2.0	0
1985	5	6	0	0	552	689	623	777	.9	0
1986	10	12	0	0	716	870	564	685	1.4	0
1987	0	0	0	0	776	914	566	666	0	0
1988	10	11	0	0	591	670	601	681	1.7	0
1989	10	11	0	0	620	673	822	892	1.6	0
1990	0	0	0	0	716	744	927	964	0	0
1991	10	10	0	0	942	942	849	849	1.1	0
Botswana										
1981	10	15	0	0	799	1193	400	597	1.3	0.0
1982	0	0	0	0	688	967	457	642	0	0
1983	0	0	0	0	736	994	636	859	0	0
1984	0	0	0	0	707	914	674	872	0	0
1985	5	6	0	0	583	727	744	928	.9	0
1986	0	0	0	0	713	866	711	864	0	0
1987	0	0	0	0	937	1103	1587	1869	0	0
1988	20	23	0	0	1196	1356	1473	1670	1.7	0
1989	20	22	0	0	1500	1627	1902	2064	1.3	0
1990	0	0	0	0	1967	2046	1779	1850	0	0
1991	5	5	0	0	1971	1971	1856	1856	.3	0
Brazil										
1981	60	90	170	254	24080	35950	23290	34770	0.2	0.7
1982	40	56	675	949	21070	29620	20170	28360	.2	3.3
1983	40	54	130	176	16800	22690	21900	29580	.2	.6
1984	130	168	650	840	15210	19670	27000	34920	.9	2.4
1985	50	62	370	462	14330	17880	25640	31990	.3	1.4
1986	110	134	270	328	15560	18900	22350	27150	.7	1.2
1987	160	188	650	765	16580	19520	26220	30880	1.0	2.5
1988	340	386	625	709	16050	18200	33790	38310	2.1	1.8
1989	170	184	90	98	19870	21560	34380	37300	.9	.3
1990	70	73	100	104	22520	23430	31390	32650	.3	.3
1991	20	20	70	70	22960	22960	31620	31620	.1	.2
Bulgaria										
1981	480	717	170	254	10610	15840	10490	15670	4.5	1.6
1982	440	619	420	590	11610	16320	11500	16170	3.8	3.7
1983	650	878	350	473	12370	16710	12220	16510	5.3	2.9
1984	700	905	460	595	12350	15970	12530	16210	5.7	3.7
1985	950	1185	550	686	13090	16330	12780	15940	7.3	4.3
1986	1300	1579	470	571	15580	18920	14520	17640	8.3	3.2
1987	700	824	575	677	17060	20090	16660	19620	4.1	3.5
1988	400	454	430	488	20980	23790	20350	23070	1.9	2.1
1989	290	315	160	174	14970	16240	16040	17400	1.9	1.0
1990	575	598	40	42	9600	9985	8400	8737	6.0	.5
1991	0	0	70	70	NA	NA	NA	NA	NA	NA

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Burkina Faso (formerly Upper Volta)										
1981	10	15	0	0	338	505	74	110	3.0	0.0
1982	0	0	0	0	347	488	56	79	0	0
1983	5	7	0	0	291	393	58	78	1.7	0
1984	20	26	0	0	209	270	79	102	9.6	0
1985	20	25	0	0	332	414	71	89	6.0	0
1986	30	36	0	0	405	492	83	101	7.4	0
1987	0	0	0	0	434	511	155	183	0	0
1988	10	11	0	0	454	515	142	161	2.2	0
1989	10	11	0	0	322	349	95	103	3.1	0
1990	10	10	0	0	NA	NA	NA	NA	NA	NA
1991	0	0	0	0	NA	NA	NA	NA	NA	NA
Burma										
									c	
1981	20	30	0	0	373	557	462	690	5.4	0.0
1982	60	84	0	0	409	575	391	550	14.7	0
1983	30	41	0	0	268	362	378	511	11.2	0
1984	30	39	0	0	239	309	301	389	12.6	0
1985	50	62	0	0	283	353	303	378	17.7	0
1986	30	36	0	0	304	369	288	350	9.9	0
1987	20	24	0	0	268	316	219	258	7.5	0
1988	20	23	0	0	244	277	147	167	8.2	0
1989	20	22	0	0	201	218	215	233	10.0	0
1990	110	114	0	0	270	281	325	338	40.7	0
1991	370	370	0	0	646	646	419	419	57.3	0
Burundi										
1981	5	7	0	0	161	240	75	112	3.1	0.0
1982	20	28	0	0	213	299	88	124	9.4	0
1983	10	14	0	0	182	246	80	108	5.5	0
1984	10	13	0	0	186	241	103	133	5.4	0
1985	5	6	0	0	189	236	112	140	2.6	0
1986	10	12	0	0	202	245	154	187	6.0	0
1987	20	24	0	0	212	250	91	107	9.4	0
1988	10	11	0	0	204	231	133	151	4.9	0
1989	10	11	0	0	187	203	78	85	5.3	0
1990	5	5	0	0	231	240	75	78	2.2	0
1991	5	5	0	0	248	248	90	90	2.0	0
Cambodia										
									c	
1981	150	224	0	0	NA	NA	NA	NA	NA	NA
1982	70	98	0	0	NA	NA	NA	NA	NA	NA
1983	140	189	0	0	30	41	10	14	466.7	0
1984	190	246	0	0	NA	NA	NA	NA	NA	NA
1985	280	349	0	0	28	34	3	4	1014.5	0
1986	150	182	0	0	17	21	3	4	882.4	0
1987	460	542	0	0	NA	NA	NA	NA	NA	NA
1988	240	272	0	0	NA	NA	32	36	NA	0
1989	490	532	0	0	NA	NA	NA	NA	NA	NA
1990	230	239	0	0	NA	NA	NA	NA	NA	NA
1991	40	40	0	0	NA	NA	NA	NA	NA	NA

TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Cameroon										
1981	30	45	0	0	1427	2130	1105	1650	2.1	0.0
1982	20	28	0	0	1210	1701	1064	1496	1.7	0
1983	100	135	0	0	1224	1693	976	1318	8.2	0
1984	70	91	0	0	1112	1438	886	1146	6.3	0
1985	20	25	0	0	1151	1436	722	901	1.7	0
1986	10	12	0	0	1704	2070	782	950	.6	0
1987	10	12	0	0	1723	2029	806	949	.6	0
1988	5	6	0	0	1273	1443	927	1051	.4	0
1989	5	5	0	0	1261	1368	1273	1381	.4	0
1990	0	0	0	0	1650	1716	2019	2100	0	0
1991	0	0	0	0	NA	NA	NA	NA	NA	NA
Canada										
1981	440	657	290	433	70010	104500	72730	108600	0.6	0.4
1982	250	351	480	675	58130	81710	71230	100100	.4	.7
1983	310	419	420	567	64790	87510	76750	103700	.5	.5
1984	300	388	650	840	77790	100600	90270	116700	.4	.7
1985	100	125	550	686	80640	100600	90950	113500	.1	.6
1986	130	158	525	638	85490	103900	90330	109700	.2	.6
1987	170	200	600	707	92590	109000	98170	115600	.2	.6
1988	160	181	650	737	112700	127900	116600	132200	.1	.6
1989	200	217	450	488	119800	130000	120200	130500	.2	.4
1990	120	125	480	499	123200	128200	126600	131700	.1	.4
1991	200	200	420	420	124800	124800	126800	126800	.2	.3
Cape Verde										
1981	10	15	0	0	71	106	3	4	14.1	c 0.0
1982	0	0	0	0	72	101	4	6	0	0
1983	0	0	0	0	80	108	3	4	0	0
1984	0	0	0	0	71	92	3	4	0	0
1985	10	12	10	12	81	101	5	6	12.3	200.0
1986	5	6	0	0	80	97	4	5	6.3	0
1987	5	6	0	0	101	119	8	9	5.0	0
1988	5	6	0	0	106	120	3	3	4.7	0
1989	5	5	0	0	112	122	7	8	4.5	0
1990	5	5	0	0	NA	NA	NA	NA	NA	NA
1991	0	0	0	0	NA	NA	NA	NA	NA	NA
Central African Republic										
1981	5	7	0	0	95	142	79	118	5.3	0.0
1982	0	0	0	0	123	173	107	150	0	0
1983	0	0	0	0	77	104	80	108	0	0
1984	0	0	0	0	87	112	86	111	0	0
1985	0	0	0	0	113	141	92	115	0	0
1986	0	0	0	0	252	306	66	80	0	0
1987	0	0	0	0	204	240	130	153	0	0
1988	0	0	0	0	141	160	130	147	0	0
1989	0	0	0	0	150	163	134	145	0	0
1990	0	0	0	0	215 E	223 E	151 E	157 E	0	0
1991	0	0	0	0	NA	NA	NA	NA	NA	NA

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Chad										
1981	5	7	0	0	108	161	83	124	4.6	0.0
1982	0	0	0	0	109	153	58	82	0	0
1983	10	14	0	0	157	212	105	142	6.4	0
1984	40	52	0	0	181	234	131	169	22.1	0
1985	20	25	0	0	240	299	88	110	8.3	0
1986	40	49	0	0	288	350	99	120	13.9	0
1987	100	118	0	0	366	431	111	131	27.3	0
1988	50	57	0	0	419	475	141	160	11.9	0
1989	30	33	0	0	NA	NA	148 E	161 E	NA	0
1990	40	42	0	0	264 E	275 E	174 E	181 E	15.2	0
1991	10	10	0	0	NA	NA	NA	NA	NA	NA
Chile										
1981	340	508	5	7	6364	9501	3906	5831	5.3	0.1
1982	210	295	0	0	3529	4961	3710	5215	6.0	0
1983	80	108	0	0	2754	3720	3836	5181	2.9	0
1984	170	220	20	26	3191	4126	3657	4729	5.3	.5
1985	80	100	80	100	2743	3422	3823	4770	2.9	2.1
1986	80	97	20	24	2914	3540	4222	5129	2.7	.5
1987	120	141	170	200	3994	4703	5091	5995	3.0	3.3
1988	90	102	280	317	4833	5480	7046	7989	1.9	4.0
1989	120	130	160	174	6502	7054	8191	8887	1.8	2.0
1990	210	218	0	0	7037	7319	8579	8923	3.0	0
1991	70	70	0	0	7354	7354	8929	8929	1.0	0
China										
—Mainland										
1981	130	194	400	597	21630	32300	21460	32040	0.6	1.9
1982	70	98	1300	1827	18900	26570	21870	30750	.4	5.9
1983	100	135	1600	2161	21340	28820	22180	29950	.5	7.2
1984	490	634	2100	2715	25950	33590	24830	32110	1.9	8.5
1985	650	811	725	905	42530	53060	27330	34090	1.5	2.7
1986	575	699	1300	1579	43170	52450	31150	37840	1.3	4.2
1987	625	736	2100	2473	43390	51100	39540	46560	1.4	5.3
1988	300	340	2900	3288	55280	62680	47540	53900	.5	6.1
1989	250	271	2300	2495	58440	63400	51860	56260	.4	4.4
1990	180	187	1400	1456	52520	54600	61270	63720	.3	2.3
1991	240	240	925	925	62570	62570	70450	70450	.4	1.3
—Taiwan										
1981	550	821	40	60	21190	31580	22500	33590	2.6	0.2
1982	700	984	0	0	18830	26470	22070	31030	3.7	0
1983	480	648	5	7	20310	27430	25090	33880	2.4	0
1984	400	517	10	13	22000	28450	30440	39360	1.8	0
1985	575	717	5	6	20120	25110	30700	38300	2.9	0
1986	390	474	5	6	24230	29440	39750	48300	1.6	0
1987	1300	1531	10	12	34800	40980	53820	63370	3.7	0
1988	1100	1247	20	23	49760	56420	60500	68600	2.2	0
1989	525	570	10	11	52510	56970	66190	71820	1.0	0
1990	575	598	10	10	54830	57030	67080	69770	1.0	0
1991	450	450	5	5	63080	63080	76140	76140	.7	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Colombia										
1981	40	60	0	0	5199	7762	2956	4413	0.8	0.0
1982	130	183	0	0	5478	7701	3095	4351	2.4	0
1983	30	41	0	0	4968	6710	3081	4162	.6	0
1984	700	905	0	0	4498	5816	3462	4477	15.6	0
1985	20	25	0	0	4141	5166	3552	4432	.5	0
1986	50	61	0	0	3862	4692	5102	6198	1.3	0
1987	10	12	0	0	4322	5089	4642	5466	.2	0
1988	70	79	0	0	5002	5672	5037	5711	1.4	0
1989	240	260	0	0	5004	5429	5717	6203	4.8	0
1990	80	83	0	0	5590	5814	6766	7037	1.4	0
1991	60	60	0	0	4967	4967	7235	7235	1.2	0
Congo										
1981	50	75	0	0	447	667	1073	1602	11.2	0.0
1982	0	0	0	0	767	1078	1109	1559	0	0
1983	100	135	0	0	673	909	1066	1440	14.9	0
1984	90	116	0	0	618	799	1265	1636	14.6	0
1985	40	50	0	0	598	746	1145	1429	6.7	0
1986	30	36	0	0	597	725	673	818	5.0	0
1987	10	12	0	0	529	623	517	609	1.9	0
1988	20	23	0	0	564	640	752	853	3.5	0
1989	0	0	0	0	524	569	912	989	0	0
1990	0	0	0	0	NA	NA	NA	NA	NA	NA
1991	0	0	0	0	NA	NA	NA	NA	NA	NA
Costa Rica										
1981	0	0	0	0	1209	1805	1008	1505	0.0	0.0
1982	0	0	0	0	889	1250	870	1223	0	0
1983	0	0	0	0	988	1335	873	1179	0	0
1984	5	6	0	0	1094	1415	1006	1301	.5	0
1985	20	25	0	0	1098	1370	976	1218	1.8	0
1986	5	6	0	0	1148	1395	1121	1362	.4	0
1987	0	0	0	0	1383	1629	1158	1364	0	0
1988	0	0	0	0	1410	1599	1246	1413	0	0
1989	0	0	0	0	1717	1863	1415	1535	0	0
1990	0	0	0	0	1990	2070	1457	1515	0	0
1991	0	0	0	0	1877	1877	1590	1590	0	0
Cote d'Ivoire (see Ivory Coast)										
Cuba										
1981	1500	2239	10	15	6546	9772	5406	8071	22.9	0.2
1982	1700	2390	20	28	6645	9341	5928	8333	25.6	.3
1983	1300	1756	40	54	7235	9772	6416	8666	18.0	.6
1984	1400	1810	20	26	8213	10620	6174	7983	17.0	.3
1985	2400	2994	5	6	8677	10830	6503	8113	27.7	.1
1986	1600	1944	0	0	9158	11130	6444	7829	17.5	0
1987	1800	2120	0	0	7584	8931	5401	6360	23.7	0
1988	1700	1928	230	261	7580	8595	5519	6258	22.4	4.2
1989	1200	1302	5	5	8124	8814	5392	5850	14.8	.1
1990	1400	1456	0	0	6745	7015	4910	5107	20.8	0
1991	525	525	0	0	3655	3655	3585	3585	14.4	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Cyprus										
1981	10	15	0	0	1166	1741	962	839	0.9	0.0
1982	20	28	0	0	1223	1719	544	765	1.6	0
1983	20	27	10	14	1219	1647	503	679	1.6	2.0
1984	30	39	0	0	1364	1764	573	741	2.2	0
1985	10	12	0	0	1247	1556	476	594	.8	0
1986	20	24	0	0	1272	1545	451	548	1.6	0
1987	90	106	0	0	1484	1747	568	669	6.1	0
1988	10	11	0	0	1859	2108	705	799	.5	0
1989	40	43	0	0	2288	2482	791	858	1.7	0
1990	0	0	0	0	2568	2671	957	995	0	0
1991	0	0	0	0	2659	2659	980	980	0	0
Czechoslovakia										
1981	700	1045	800	1194	11890	17760	11610	17330	5.9	6.9
1982	775	1089	850	1195	12270	17250	12060	16950	6.3	7.0
1983	340	459	900	1216	12250	16550	12120	16370	2.8	7.4
1984	900	1164	1100	1422	11850	15320	11770	15230	7.6	9.3
1985	800	998	1500	1871	12150	15160	11900	14850	6.6	12.6
1986	1100	1336	1300	1579	14670	17820	13790	16750	7.5	9.4
1987	925	1089	1300	1531	16340	19240	15470	18220	5.7	8.4
1988	210	238	925	1049	15300	17350	14890	16880	1.4	6.2
1989	460	499	875	949	14990	16260	14460	15690	3.1	6.1
1990	280	291	190	198	13710	14260	11840	12310	2.0	1.6
1991	50	50	270	270	11070	11070	10850	10890	.5	2.5
Denmark										
1981	210	314	40	60	17580	26240	16090	24030	1.2	0.2
1982	210	295	40	56	16690	23460	15400	21640	1.3	.3
1983	170	230	30	41	16270	21970	16050	21680	1.0	.2
1984	90	116	30	39	16610	21480	15980	20660	.5	.2
1985	100	125	20	25	18240	22760	17090	21320	.5	.1
1986	50	61	20	24	22880	27790	21290	25860	.2	.1
1987	110	130	60	71	25500	30030	25670	30230	.4	.2
1988	180	204	40	45	25940	29410	27650	31350	.7	.1
1989	120	130	40	43	26690	28960	28110	30490	.4	.1
1990	40	42	40	42	31760	33030	35060	36470	.1	.1
1991	50	50	10	10	32350	32350	35900	35900	.2	0
Dominican Republic										
1981	0	0	0	0	1668	2490	1188	1774	0.0	0.0
1982	10	14	0	0	1444	2030	768	1080	.7	0
1983	5	7	0	0	1471	1987	785	1060	.3	0
1984	10	13	0	0	1446	1870	868	1122	.7	0
1985	5	6	0	0	1487	1855	735	917	.3	0
1986	5	6	0	0	1433	1741	718	872	.3	0
1987	5	6	0	0	1830	2155	711	837	.3	0
1988	5	6	0	0	1849	2097	890	1009	.3	0
1989	10	11	0	0	2280	2474	928	1007	.4	0
1990	5	5	0	0	2057	2139	734	763	.2	0
1991	0	0	0	0	1979	1979	651	651	0	0

TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Ecuador										
1981	110	164	0	0	2246	3353	2451	3659	4.9	0.0
1982	290	408	0	0	2169	3049	2327	3271	13.4	0
1983	180	243	0	0	1487	2009	2348	3171	12.1	0
1984	140	181	0	0	1616	2090	2620	3388	8.7	0
1985	70	87	0	0	1767	2205	2905	3624	4.0	0
1986	100	121	0	0	1810	2199	2172	2639	5.5	0
1987	90	106	0	0	2252	2652	1928	2270	4.0	0
1988	40	45	0	0	1714	1943	2192	2485	2.3	0
1989	30	33	0	0	1855	2013	2354	2554	1.6	0
1990	10	10	0	0	1862	1937	2714	2823	.5	0
1991	10	10	0	0	2397	2397	2852	2852	.4	0
Egypt										
1981	900	1344	130	194	8839	13200	3233	4827	10.2	4.0
1982	1900	2671	260	365	9078	12760	3120	4386	20.9	8.3
1983	1500	2026	80	108	10270	13880	3215	4343	14.6	2.5
1984	1700	2198	160	207	10770	13920	3140	4060	15.8	5.1
1985	1500	1871	90	112	5495	6856	1838	2293	27.3	4.9
1986	1200	1458	110	134	8680	10550	2214	2690	13.8	5.0
1987	1700	2002	100	118	7596	8945	2037	2399	22.4	4.9
1988	750	850	525	595	8657	9816	2120	2404	8.7	24.8
1989	700	759	380	412	7434	8065	2565	2783	9.4	14.8
1990	550	572	50	52	9216	9585	2585	2689	6.0	1.9
1991	525	525	0	0	7862	7862	3838	3838	6.7	0
El Salvador										
1981	10	15	0	0	986	1472	797	1190	1.0	0.0
1982	40	56	0	0	857	1205	699	983	4.7	0
1983	50	68	0	0	891	1203	735	993	5.6	0
1984	80	103	0	0	977	1263	717	927	8.2	0
1985	90	112	0	0	961	1199	679	847	9.4	0
1986	80	97	0	0	923	1121	757	920	8.7	0
1987	50	59	0	0	994	1170	591	696	5.0	0
1988	60	68	0	0	1007	1142	609	691	6.0	0
1989	70	76	0	0	1161	1260	497	539	6.0	0
1990	60	62	0	0	1263	1314	581	604	4.8	0
1991	50	50	0	0	1406	1406	588	588	3.6	0
Equatorial Guinea										
1981	10	15	0	0	40	60	17	25	25.0	0.0
1982	10	14	0	0	46	65	17	24	21.7	0
1983	10	14	0	0	25	34	18	24	40.0	0
1984	0	0	0	0	25	32	20	26	0	0
1985	0	0	0	0	25	31	23	29	0	0
1986	0	0	0	0	41	50	39	47	0	0
1987	0	0	0	0	50	59	39	46	0	0
1988	0	0	0	0	50	57	49	56	0	0
1989	10	11	0	0	NA	NA	41	44	NA	0
1990	0	0	0	0	68 E	71 E	37 E	38 E	0	0
1991	0	0	0	0	NA	NA	NA	NA	NA	NA

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Ethiopia										
									^c	
1981	430	642	0	0	739	1103	380	567	58.2	0.0
1982	575	808	0	0	786	1105	399	561	73.2	0
1983	975	1317	0	0	875	1182	403	544	111.4	0
1984	1200	1552	0	0	942	1218	417	539	127.4	0
1985	775	967	0	0	993	1239	333	415	78.0	0
1986	330	401	0	0	1102	1339	455	553	29.9	0
1987	1000	1178	0	0	1066	1255	355	418	93.8	0
1988	700	794	0	0	1129	1280	429	486	62.0	0
1989	975	1058	0	0	944	1024	465	504	103.3	0
1990	320	333	10	10	1081	1124	298	310	29.6	3.4
1991	80	80	0	0	472	472	188	188	16.9	0
Fiji										
1981	0	0	0	0	631	942	311	464	0.0	0.0
1982	0	0	0	0	509	716	284	399	0	0
1983	0	0	0	0	484	654	240	324	0	0
1984	0	0	0	0	450	582	256	331	0	0
1985	0	0	0	0	442	551	237	296	0	0
1986	0	0	0	0	437	531	274	333	0	0
1987	0	0	0	0	380	447	320	377	0	0
1988	0	0	0	0	462	524	373	423	0	0
1989	0	0	0	0	581	630	423	459	0	0
1990	0	0	0	0	743	773	534	555	0	0
1991	0	0	0	0	643	643	390	390	0	0
Finland										
1981	90	134	5	7	14190	21190	14000	20910	0.6	0.0
1982	110	155	10	14	13400	18840	13090	18400	.8	.1
1983	80	108	350	473	12830	17320	12520	16910	.6	2.8
1984	70	91	320	414	12430	16080	13470	17420	.6	2.4
1985	140	175	0	0	13230	16510	13620	16990	1.1	0
1986	220	267	0	0	15340	18640	16360	19870	1.4	0
1987	200	236	0	0	19630	23120	20040	23590	1.0	0
1988	80	91	10	11	21130	23960	21750	24660	.4	0
1989	20	22	0	0	24440	26510	23300	25280	.1	0
1990	10	10	0	0	21000	21840	26570	27640	0	0
1991	5	5	0	0	21810	21810	23080	23080	0	0
France										
1981	40	60	4200	6270	121000	180600	106400	158900	0.0	3.9
1982	80	112	3800	5342	115700	162700	96690	135900	.1	3.9
1983	140	189	4100	5538	105900	143100	94940	128200	.1	4.3
1984	100	129	5900	7629	104400	134900	97570	126200	.1	6.0
1985	150	187	7000	8733	108300	135100	101700	126900	.1	6.9
1986	210	255	4400	5346	129400	157200	124900	151800	.2	3.5
1987	290	341	2800	3297	158500	186600	148400	174700	.2	1.9
1988	190	215	1700	1928	178900	202800	167800	190200	.1	1.0
1989	230	250	1900	2061	193000	209400	179400	194600	.1	1.1
1990	150	156	3800	3952	234400	243800	216600	225300	.1	1.8
1991	130	130	1100	1100	231800	231800	217000	217000	.1	.5

TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Gabon										
1981	20	30	0	0	841	1256	2201	3286	2.4	0.0
1982	10	14	0	0	867	1219	2101	3038	1.2	0
1983	10	14	0	0	685	925	2000	2701	1.5	0
1984	20	26	0	0	724	936	2011	2600	2.8	0
1985	100	125	0	0	855	1067	1951	2434	11.7	0
1986	0	0	0	0	866	1052	1271	1544	0	0
1987	0	0	0	0	732	862	1288	1517	0	0
1988	20	23	0	0	791	897	873	990	2.5	0
1989	20	22	0	0	767	832	1300	1410	2.6	0
1990	0	0	0	0	882	917	NA	NA	0	NA
1991	0	0	0	0	1003	1003	NA	NA	0	NA
Gambia, The										
1981	0	0	0	0	126	188	27	40	0.0	0.0
1982	0	0	0	0	103	145	44	62	0	0
1983	0	0	0	0	115	155	48	65	0	0
1984	10	13	0	0	100	129	49	63	10.0	0
1985	10	12	0	0	93	116	43	54	10.8	0
1986	10	12	0	0	104	126	35	43	9.6	0
1987	10	12	0	0	127	150	40	47	7.9	0
1988	10	11	0	0	137	155	58	66	7.3	0
1989	0	0	0	0	161	175	27	29	0	0
1990	0	0	0	0	200	208	40	42	0	0
1991	0	0	0	0	222	222	42	42	0	0
Germany, East										
1981	850	1269	150	224	19970	29810	19650	29330	4.3	0.8
1982	650	914	190	267	20620	28990	22200	31210	3.2	.9
1983	1200	1621	230	311	21970	29680	24290	32810	5.5	.9
1984	1100	1422	410	530	21930	28350	24550	31750	5.0	1.7
1985	1300	1622	575	717	22150	27640	23890	29800	5.9	2.4
1986	1000	1215	300	364	27500	33400	27830	33810	3.6	1.1
1987	310	365	300	353	30990	36490	30740	36200	1.0	1.0
1988	1000	1134	440	499	30800	34920	32000	36280	3.2	1.4
1989	825	895	330	358	NA	NA	NA	NA	NA	NA
1990g	80	83	10	10	NA	NA	NA	NA	NA	NA
Germany, West										
1981	550	821	1600	2389	163900	244700	176000	262800	0.3	0.9
1982	550	773	1000	1406	155300	218300	176400	248000	.4	.6
1983	430	581	2100	2837	152900	206500	169400	228800	.3	1.2
1984	500	647	3000	3879	153000	197900	171700	222100	.3	1.7
1985	490	611	1400	1747	158500	197700	183900	229500	.3	.8
1986	450	547	1200	1458	190900	231900	243300	295600	.2	.5
1987	725	854	1500	1766	228400	269000	294400	346600	.3	.5
1988	950	1077	1200	1361	250500	284000	323300	366600	.4	.4
1989	1200	1302	1200	1302	269700	292600	341200	370200	.4	.4
1990g	600	624	1000	1040	346200	360000	410100	426500	.2	.2
1991g	440	440	1300	1300	389900	389900	402800	402800	.1	.3

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Ghana										
1981	0	0	0	0	1107	1652	1065	1590	0.0	0.0
1982	10	14	0	0	705	991	873	1228	1.4	0
1983	10	14	0	0	2513	3394	2624	3544	.4	0
1984	20	26	0	0	580	750	528	683	3.4	0
1985	0	0	0	0	731	912	617	770	0	0
1986	10	12	0	0	783	951	863	1048	1.3	0
1987	20	24	0	0	988	1163	977	1150	2.0	0
1988	20	23	0	0	905	1026	1009	1144	2.2	0
1989	30	33	0	0	1273	1381	1018	1104	2.4	0
1990	0	0	0	0	1200E	1248E	925E	962E	0	0
1991	0	0	0	0	1200E	1200E	861E	861E	0	0
Greece										
1981	460	687	0	0	8810	13150	4246	6339	5.2	0.0
1982	400	562	120	169	10030	14090	4298	6042	4.0	2.8
1983	980	648	10	14	9500	12830	4413	5961	5.1	.2
1984	300	388	110	142	9435	12200	4816	6227	3.2	2.3
1985	280	349	30	37	10130	12640	4539	5663	2.8	.7
1986	200	243	40	49	11350	13790	5648	6862	1.8	.7
1987	310	365	40	47	13170	15510	6533	7693	2.4	.6
1988	470	533	30	34	12320	13970	5429	6156	3.8	.6
1989	2000	2170	0	0	16150	17520	7545	8186	12.4	0
1990	120	125	0	0	19780	20570	8105	8430	.6	0
1991	130	130	0	0	21580	21580	8666	8666	.6	0
Guatemala										
1981	0	0	0	0	1688	2520	1226	1830	0.0	0.0
1982	10	14	0	0	1388	1951	1120	1574	.7	0
1983	5	7	0	0	1126	1521	1159	1565	.4	0
1984	40	52	0	0	1279	1654	1129	1460	3.1	0
1985	30	37	0	0	1175	1466	1057	1319	2.6	0
1986	0	0	0	0	959	1165	1044	1268	0	0
1987	5	6	0	0	1447	1704	978	1152	.3	0
1988	10	11	0	0	1557	1765	1068	1211	.6	0
1989	10	11	0	0	1654	1794	1126	1222	.6	0
1990	10	10	0	0	1626	1691	1211	1260	.6	0
1991	0	0	0	0	1851	1851	1210	1210	0	0
Guinea										
1981	5	7	0	0	NA	NA	NA	NA	NA	NA
1982	10	14	0	0	NA	NA	NA	NA	NA	NA
1983	50	68	0	0	NA	NA	NA	NA	NA	NA
1984	50	65	0	0	NA	NA	537	694	NA	0
1985	70	87	0	0	NA	NA	NA	NA	NA	NA
1986	60	73	0	0	571	694	538	654	10.5	0
1987	70	82	0	0	560	659	571	672	12.5	0
1988	20	23	0	0	509	577	553E	627E	3.9	0
1989	10	11	0	0	NA	NA	NA	NA	NA	NA
1990	20	21	0	0	692E	720E	788E	820E	2.9	0
1991	5	5	0	0	NA	NA	NA	NA	NA	NA

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Guinea-Bissau										
1981	10	15	0	0	50	75	14	21	20.0	0.0
1982	0	0	0	0	50	70	12	17	0	0
1983	10	14	0	0	55	74	9	12	18.2	0
1984	40	52	0	0	NA	NA	17	22	NA	0
1985	10	12	0	0	NA	NA	12	15	NA	0
1986	20	24	0	0	NA	NA	NA	NA	NA	NA
1987	20	24	0	0	49 E	57 E	17	19	41.0	0
1988	30	34	0	0	NA	NA	NA	NA	NA	NA
1989	10	11	0	0	69 E	75 E	14 E	15 E	14.5	0
1990	5	5	0	0	NA	NA	NA	NA	NA	NA
1991	5	5	0	0	NA	NA	NA	NA	NA	NA
Guyana										
1981	0	0	0	0	438	654	352	525	0.0	0.0
1982	0	0	0	0	283	398	256	360	0	0
1983	10	14	0	0	231	312	189	255	4.3	0
1984	0	0	0	0	213	275	210	272	0	0
1985	10	12	0	0	226	282	206	257	4.4	0
1986	0	0	0	0	242	294	214	260	0	0
1987	0	0	0	0	254	299	242	285	0	0
1988	0	0	0	0	NA	NA	230	261	NA	0
1989	20	22	0	0	426	463	227	246	4.7	0
1990	0	0	0	0	512	532	251	261	0	0
1991	0	0	0	0	NA	NA	251	251	NA	0
Haiti										
1981	10	15	0	0	461	688	154	230	2.2	0.0
1982	0	0	0	0	387	544	178	250	0	0
1983	5	7	0	0	441	596	166	224	1.1	0
1984	0	0	0	0	450	582	179	231	0	0
1985	10	12	0	0	442	551	174	217	2.3	0
1986	0	0	0	0	359	431	186	226	0	0
1987	5	6	0	0	374	440	216	254	1.3	0
1988	0	0	0	0	344	390	183	207	0	0
1989	0	0	0	0	291	316	165	179	0	0
1990	0	0	0	0	296	308	132	137	0	0
1991	0	0	0	0	374	374	103	103	0	0
Honduras										
1981	10	15	0	0	949	1417	761	1136	1.1	0.0
1982	0	0	0	0	701	985	660	928	0	0
1983	10	14	0	0	803	1085	672	908	1.2	0
1984	80	103	0	0	893	1155	725	937	9.0	0
1985	20	25	0	0	888	1108	780	973	2.3	0
1986	70	85	0	0	875	1063	854	1038	8.0	0
1987	60	71	0	0	827	974	791	931	7.3	0
1988	40	45	0	0	886	1005	840	952	4.5	0
1989	30	33	0	0	872	946	851	923	3.4	0
1990	20	21	0	0	880	915	812	845	2.3	0
1991	20	20	0	0	880	880	808	808	2.3	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Hungary										
1981	190	284	90	134	9139	13640	8707	13000	2.1	1.0
1982	380	534	120	169	8819	12400	8773	12330	4.3	1.4
1983	160	216	310	419	8509	11490	8702	11750	1.9	3.6
1984	260	336	250	323	8091	10460	8563	11070	3.2	2.9
1985	80	100	220	274	8224	10260	8538	10650	1.0	2.6
1986	180	219	240	292	9599	11660	9165	11130	1.9	2.6
1987	400	471	240	283	9841	11590	9556	11250	4.1	2.5
1988	120	136	180	204	9345	10600	9949	11280	1.3	1.8
1989	30	33	80	87	8709	9449	10070	10920	.3	.8
1990	0	0	110	114	8669	9016	9551	9934	0	1.2
1991	0	0	40	40	11700	11700	10200	10200	0	.4
Iceland										
1981	0	0	0	0	1024	1529	894	1335	0.0	0.0
1982	0	0	0	0	944	1327	685	963	0	0
1983	0	0	0	0	818	1105	740	1000	0	0
1984	0	0	0	0	841	1087	739	956	0	0
1985	5	6	0	0	905	1129	815	1017	.6	0
1986	0	0	0	0	1119	1359	1099	1335	0	0
1987	0	0	0	0	1590	1872	1375	1619	0	0
1988	0	0	0	0	1597	1811	1424	1615	0	0
1989	0	0	0	0	1401	1520	1381	1498	0	0
1990	0	0	0	0	1608	1672	1592	1656	0	0
1991	0	0	0	0	1717	1717	1550	1550	0	0
India										
1981	1100	1642	20	30	15420	23020	8295	12380	7.1	0.2
1982	2800	3936	10	14	14790	20790	9358	13150	18.9	.1
1983	1300	1756	10	14	14060	18990	9148	12360	9.2	.1
1984	1300	1681	30	39	14360	18570	9916	12820	9.1	.3
1985	2600	3244	10	12	15930	19870	9140	11400	16.3	.1
1986	3200	3888	40	49	15420	18730	9399	11420	20.8	.4
1987	3000	3533	5	6	16670	19640	11300	13300	18.0	0
1988	3700	4195	0	0	19150	21710	13320	15110	19.3	0
1989	3900	4231	0	0	20530	22280	15850	17190	19.0	0
1990	1700	1768	10	10	23640	24590	17970	18700	7.2	.1
1991	800	800	0	0	20370	20370	17540	17540	3.9	0
Indonesia										
1981	440	657	0	0	13270	19810	22260	33230	3.3	0.0
1982	230	323	10	14	16860	23700	22290	31340	1.4	0
1983	160	216	0	0	16350	22090	21150	28570	1.0	0
1984	130	168	0	0	13880	17950	21900	28320	.9	0
1985	150	187	5	6	10260	12800	18590	23190	1.5	0
1986	150	182	0	0	10720	13020	16070	19530	1.4	0
1987	250	294	0	0	12890	15180	17130	20180	1.9	0
1988	260	295	5	6	13250	15020	19460	22070	2.0	0
1989	150	163	10	11	16440	17840	22160	24040	.9	0
1990	210	218	5	5	21840	22710	25670	26700	1.0	0
1991	70	70	5	5	25970	25870	29290	29290	.3	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Iran										
1981	925	1381	0	0	14690	21940	10230	15280	6.3	0.0
1982	1600	2249	0	0	11950	16810	18570	26100	13.4	0
1983	825	1114	0	0	18320	24750	19380	26170	4.5	0
1984	2700	3491	0	0	15370	19870	12420	16060	17.6	0
1985	1900	2370	0	0	11630	14520	13330	16630	16.3	0
1986	2600	3159	0	0	10520	12780	8322	10110	24.7	0
1987	2000	2355	0	0	9570	11270	11040	13000	20.9	0
1988	2500	2835	0	0	9454	10720	8154	9246	26.4	0
1989	1300	1410	0	0	10500	11390	11360	12320	12.4	0
1990	1400	1456	0	0	14250	14820	15320	15930	9.8	0
1991	1600	1600	30	30	19350	19350	15920	15920	8.3	.2
Iraq										
									c	
1981	4300	6419	0	0	20730	30960	10530	15720	20.7	0.0
1982	7100	9981	0	0	21530	30270	10250	14410	33.0	0
1983	6900	9320	0	0	12170	16430	9785	13220	56.7	0
1984	9200	11900	10	13	11080	14320	10940	14140	83.0	0
1985	4900	6113	10	12	10560	13170	12220	15250	46.4	0
1986	6000	7289	10	12	10190	12380	9007	10940	58.9	0
1987	5900	6947	10	12	7415	8731	9014	10610	79.6	.1
1988	5400	6123	90	102	10270	11640	12500	14170	52.6	.7
1989	2300	2495	60	65	9889	10730	16000	17360	23.3	.4
1990	2800	2912	20	21	6595	6860	10400	10820	42.5	.2
1991	0	0	0	0	382	382	NA	NA	0	NA
Ireland										
1981	10	15	0	0	10610	15840	7678	11460	0.1	0.0
1982	10	14	0	0	9702	13640	8063	11330	.1	0
1983	5	7	0	0	9159	12370	8592	11610	.1	0
1984	10	13	0	0	9675	12510	9642	12470	.1	0
1985	10	12	0	0	10020	12500	10360	12920	.1	0
1986	40	49	0	0	11620	14120	12660	15380	.3	0
1987	20	24	0	0	13640	16060	16000	18840	.1	0
1988	20	23	0	0	15570	17650	18720	21230	.1	0
1989	5	5	0	0	17420	18900	20670	22420	0	0
1990	5	5	0	0	20670	21500	23740	24690	0	0
1991	0	0	10	10	20770	20770	24220	24220	0	0
Israel										
1981	1200	1791	370	552	10120	15120	5670	8465	11.9	6.5
1982	925	1300	430	604	10240	14390	5255	7387	9.0	8.2
1983	500	675	210	284	9614	12990	5108	6899	5.2	4.1
1984	775	1002	575	744	19828	12710	5807	7509	7.9	9.9
1985	1000	1248	725	905	10140	12650	6260	7810	9.9	11.6
1986	500	607	700	850	10810	13140	7154	8691	4.6	9.8
1987	1800	2120	725	854	14360	16910	8454	9955	12.5	8.6
1988	1200	1361	460	522	15020	17030	9752	11060	8.0	4.7
1989	1100	1193	925	1004	14390	15610	10740	11650	7.6	8.6
1990	460	478	440	458	16510	17170	11700	12170	2.8	3.8
1991	460	460	380	380	17260	17260	11730	11730	2.7	3.2

TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Italy										
1981	100	149	1400	2090	94260	140700	77070	115100	0.1	1.8
1982	150	211	1100	1546	87330	122800	73790	103700	.2	1.5
1983	130	176	1300	1756	79810	107800	72880	98440	.2	1.8
1984	210	272	1300	1681	85160	110100	74560	96410	.2	1.7
1985	230	287	1200	1497	87690	109400	76720	95710	.3	1.6
1986	220	267	675	820	99380	120700	97200	118100	.2	.7
1987	200	236	575	677	125700	148000	116700	137400	.2	.5
1988	310	351	420	476	138600	157100	127900	145000	.2	.3
1989	390	423	140	152	153000	166000	140600	152500	.3	.1
1990	180	187	100	104	182000	189300	170300	177200	.1	.1
1991	180	180	100	100	182700	182700	169500	169500	.1	.1
Ivory Coast										
1981	80	119	0	0	2383	3558	2533	3781	3.4	0.0
1982	20	28	0	0	2180	3064	2350	3303	.9	0
1983	30	41	0	0	1839	2484	2091	2824	1.6	0
1984	20	26	0	0	1497	1936	2707	3500	1.3	0
1985	20	25	0	0	1749	2182	3198	3990	1.1	0
1986	0	0	0	0	2055	2497	3354	4075	0	0
1987	5	6	0	0	2370	2791	3110	3662	.2	0
1988	0	0	0	0	2080	2358	2770	3141	0	0
1989	0	0	0	0	2111	2290	2807	3045	0	0
1990	0	0	0	0	NA	NA	NA	NA	NA	NA
1991	0	0	0	0	NA	NA	NA	NA	NA	NA
Jamaica										
1981	0	0	0	0	1473	2199	974	1454	0.0	0.0
1982	0	0	0	0	1381	1941	767	1078	0	0
1983	0	0	0	0	1494	2018	718	970	0	0
1984	0	0	0	0	1146	1482	747	966	0	0
1985	10	12	0	0	1111	1386	566	706	.9	0
1986	0	0	0	0	972	1181	589	716	0	0
1987	5	6	0	0	1238	1458	706	831	.4	0
1988	0	0	0	0	1440	1633	831	942	0	0
1989	5	5	0	0	1801	1954	967	1049	.3	0
1990	0	0	0	0	1830	1903	1020	1061	0	0
1991	5	5	0	0	1800E	1800E	1200E	1200 E	.3	0
Japan										
1981	650	970	220	328	142900	213300	151500	226200	0.5	0.1
1982	600	843	160	225	131500	184900	138400	194500	.5	.1
1983	775	1047	320	432	126400	170800	147000	198500	.6	.2
1984	950	1228	280	362	136200	176100	169700	219400	.7	.2
1985	1000	1248	150	187	130500	162800	177200	221000	.8	.1
1986	825	1002	180	219	127600	155000	210800	256000	.6	.1
1987	1000	1178	120	141	151000	177800	231300	272300	.7	.1
1988	825	935	100	113	187400	212500	264900	300300	.4	0
1989	1700	1844	110	119	209700	227500	273900	297200	.8	0
1990	1000	1040	70	73	235400	244800	287600	299100	.4	0
1991	775	775	10	10	237000	237000	314800	314800	.3	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Jordan										
1981	1100	1642	0	0	3165	4725	733	1094	34.8	0.0
1982	850	1195	0	0	3240	4555	752	1057	26.2	0
1983	1100	1486	10	14	3036	4101	580	783	36.2	1.7
1984	230	297	0	0	2784	3600	752	972	8.3	0
1985	600	749	0	0	2733	3410	789	984	22.0	0
1986	450	547	40	49	2432	2955	733	891	18.5	5.5
1987	330	389	70	82	2710	3191	930	1095	12.2	7.5
1988	440	499	50	57	2732	3098	1019	1155	16.1	4.9
1989	200	217	10	11	2125	2305	1107	1201	9.4	.9
1990	80	83	0	0	2601	2705	1064	1107	3.1	0
1991	60	60	0	0	2508	2508	1130	1130	2.4	0
Kampuchea (see Cambodia)										
Kenya										
1981	180	269	0	0	1939	2895	1138	1699	9.3	0.0
1982	40	56	0	0	1644	2311	1021	1435	2.4	0
1983	50	68	0	0	1334	1802	876	1183	3.7	0
1984	5	6	0	0	1469	1899	1081	1398	.3	0
1985	5	6	0	0	1436	1792	958	1195	.3	0
1986	10	12	0	0	1613	1960	1200	1458	.6	0
1987	10	12	0	0	1755	2067	961	1132	.6	0
1988	160	181	0	0	1975	2239	1071	1214	8.1	0
1989	10	11	0	0	2148	2330	970	1052	.5	0
1990	10	10	0	0	2124	2209	1031	1072	.5	0
1991	10	10	0	0	1798	1798	1108	1108	.6	0
Korea, North										
1981	210	314	500	746	1645	2456	1410	2105	12.8	35.5
1982	340	478	625	879	1600	2249	1700	2390	21.3	36.8
1983	190	257	220	297	1500	2026	1400	1891	12.7	15.7
1984	120	155	575	744	1360	1759	1600	2069	8.8	35.9
1985	380	474	350	437	1720	2146	1380	1722	22.1	25.4
1986	420	510	250	304	2000	2430	1700	2065	21.0	14.7
1987	420	495	400	471	NA	NA	NA	NA	NA	NA
1988	1000	1134	675	765	3100	3515	2400E	2721E	32.3	28.1
1989	600	651	390	423	2850	3092	1950	2116	21.1	20.0
1990	200	208	160	166	2620E	2725E	2020	2101	7.6	7.9
1991	90	90	160	160	NA	NA	NA	NA	NA	NA
Korea, South										
1981	390	582	260	388	26130	39010	21250	31730	1.5	1.2
1982	430	604	975	1371	24250	34090	21850	30720	1.8	4.5
1983	390	527	410	554	26190	35380	24440	33020	1.5	1.7
1984	380	491	480	621	30630	39610	29240	37820	1.2	1.6
1985	430	536	170	212	31140	38850	30280	37780	1.4	.6
1986	550	668	130	158	31580	38370	34710	42170	1.7	.4
1987	625	736	70	82	41020	48300	47280	55670	1.5	.1
1988	625	709	70	79	51810	58750	60700	68820	1.2	.1
1989	525	570	50	54	61460	66690	62330	67620	.9	.1
1990	550	572	150	156	69840	72640	64960	67560	.8	.2
1991	775	775	30	30	81520	81520	71900	71900	1.0	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Kuwait										
1981	120	179	5	7	6978	10420	16040	23950	1.7	0.0
1982	110	155	0	0	8282	11640	10860	15270	1.3	0
1983	140	189	0	0	7373	9959	11500	15540	1.9	0
1984	600	776	0	0	6896	8917	11620	15030	8.7	0
1985	350	437	0	0	6005	7492	10490	13080	5.8	0
1986	140	170	0	0	5717	6946	7383	8970	2.4	0
1987	160	188	20	24	5493	6468	8264	9731	2.9	.2
1988	200	227	0	0	6143	6965	7661	8687	3.3	0
1989	490	532	0	0	6295	6830	11480	12450	7.8	0
1990	280	291	20	21	NA	NA	NA	NA	NA	NA
1991	50	50	0	0	4654	4654	NA	NA	1.1	NA
Laos										
1981	20	30	0	0	21	31	2	3	95.2	0.0
1982	90	127	0	0	NA	NA	NA	NA	NA	NA
1983	140	189	0	0	NA	NA	NA	NA	NA	NA
1984	130	168	0	0	98	127	36	47	132.7	0
1985	100	125	0	0	NA	NA	NA	NA	NA	NA
1986	100	121	0	0	205	249	56	68	48.8	0
1987	140	165	0	0	219	258	49	57	64.0	0
1988	150	170	0	0	NA	NA	NA	NA	NA	NA
1989	100	108	0	0	219	238	58	62	45.7	0
1990	40	42	0	0	238 E	248 E	72 E	75 E	16.8	0
1991	10	10	0	0	NA	NA	NA	NA	NA	NA
Lebanon										
1981	50	75	0	0	3499	5224	836	1248	1.4	0.0
1982	50	70	0	0	3391	4767	727	1022	1.5	0
1983	230	311	0	0	3661	4945	691	933	6.3	0
1984	240	310	0	0	2948	3812	582	753	8.1	0
1985	40	50	0	0	2203	2749	482	601	1.8	0
1986	10	12	0	0	2203	2676	500	607	.5	0
1987	10	12	0	0	1880	2214	591	696	.5	0
1988	10	11	0	0	2457	2786	709	804	.4	0
1989	10	11	0	0	2263	2455	483	524	.4	0
1990	0	0	0	0	2439	2536	488	507	0	0
1991	5	5	0	0	3288	3288	489	489	.2	0
Lesotho										
1981	0	0	0	0	532	794	51	76	0.0	0.0
1982	0	0	0	0	526	739	36	51	0	0
1983	5	7	0	0	587	793	23	31	.9	0
1984	0	0	0	0	504	652	28	36	0	0
1985	0	0	0	0	377	470	21	26	0	0
1986	0	0	0	0	393	477	25	30	0	0
1987	0	0	0	0	518	610	36	42	0	0
1988	0	0	0	0	523	593	66	75	0	0
1989	0	0	0	0	594	645	66	72	0	0
1990	0	0	0	0	640	666	59	62	0	0
1991	0	0	0	0	820	820	68	68	0	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Liberia										
1981	0	0	0	0	449	670	529	790	0.0	0.0
1982	0	0	0	0	410	576	475	668	0	0
1983	10	14	0	0	412	556	428	578	2.4	0
1984	10	13	0	0	363	469	452	584	2.8	0
1985	10	12	0	0	284	354	436	544	3.5	0
1986	10	12	0	0	267	324	404	491	3.7	0
1987	10	12	0	0	308	363	382	450	3.2	0
1988	10	11	0	0	272	308	396	449	3.7	0
1989	0	0	0	0	323	350	460	499	0	0
1990	0	0	0	0	NA	NA	NA	NA	NA	NA
1991	0	0	0	0	NA	NA	NA	NA	NA	NA
Libya										
1981	3200	4777	60	90	8382	12510	15570	23250	38.2	0.4
1982	3200	4498	290	408	7175	10090	13960	19610	44.6	2.1
1983	2200	2972	80	108	7467	10090	11390	15390	29.5	.7
1984	2100	2715	30	39	6800	8793	11140	14400	30.9	.3
1985	1600	1996	90	112	5422	6765	10930	13640	29.5	.8
1986	1200	1458	70	85	4511	5480	7720	9379	26.6	.9
1987	625	736	70	82	4877	5743	8052	9482	12.8	.9
1988	675	765	60	68	5911	6702	8617	9771	11.4	.7
1989	975	1058	120	130	6200	6727	6100	6618	15.7	2.0
1990	360	374	100	104	6182	6429	11000E	11440E	5.8	.9
1991	370	370	30	30	6727	6727	NA	NA	5.5	NA
Luxembourg										
1981	0	0	0	0	2998	4476	2385	3561	0.0	0.0
1982	0	0	0	0	2728	3835	2230	3135	0	0
1983	10	14	0	0	2664	3598	2180	2945	.4	0
1984	5	6	0	0	2770	3582	2519	3257	.2	0
1985	0	0	0	0	2983	3722	2830	3531	0	0
1986	5	6	0	0	NA	NA	NA	NA	NA	NA
1987	10	12	0	0	NA	NA	NA	NA	NA	NA
1988	5	6	0	0	NA	NA	NA	NA	NA	NA
1989	20	22	5	5	NA	NA	NA	NA	NA	NA
1990	10	10	0	0	7500	7800	6300	6552	.1	0
1991	20	20	0	0	NA	NA	NA	NA	NA	NA
Madagascar										
1981	50	75	0	0	545	814	317	473	9.2	0.0
1982	30	42	0	0	417	586	311	437	7.2	0
1983	40	54	0	0	387	523	297	401	10.3	0
1984	10	13	0	0	366	473	332	429	2.7	0
1985	30	37	0	0	402	502	274	342	7.5	0
1986	20	24	0	0	353	429	313	380	5.7	0
1987	30	35	0	0	302	356	331	390	9.9	0
1988	10	11	0	0	360	408	278	315	2.8	0
1989	30	33	0	0	386	419	319	346	7.8	0
1990	10	10	0	0	568	591	406	422	1.8	0
1991	0	0	0	0	434	434	299	299	0	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Malawi										
1981	0	0	0	0	359	536	283	422	0.0	0.0
1982	0	0	0	0	304	427	239	336	0	0
1983	0	0	0	0	311	420	229	309	0	0
1984	5	6	0	0	271	350	314	406	1.8	0
1985	5	6	0	0	285	356	249	311	1.8	0
1986	5	6	0	0	260	316	248	301	1.9	0
1987	0	0	0	0	295	347	277	326	0	0
1988	5	6	0	0	406	460	288	327	1.2	0
1989	5	5	0	0	503	546	267	290	1.0	0
1990	0	0	0	0	581	604	417	434	0	0
1991	0	0	0	0	703	703	469	469	0	0
Malaysia										
1981	90	134	0	0	11580	17290	11760	17560	0.8	0.0
1982	100	141	10	14	12390	17420	12030	16910	.8	.1
1983	270	365	0	0	13200	17830	14130	19090	2.0	0
1984	410	530	0	0	14070	18190	16590	21450	2.9	0
1985	470	586	0	0	12300	15350	15440	19270	3.8	0
1986	60	73	0	0	10820	13150	13750	16710	.6	0
1987	70	82	0	0	12700	14960	17940	21120	.6	0
1988	30	34	0	0	16550	18770	21110	23940	.2	0
1989	70	76	0	0	22500	24410	25050	27180	.3	0
1990	30	31	0	0	29260	30430	29420	30590	.1	0
1991	30	30	0	0	36750	36750	34410	34410	.1	0
Mali										
1981	20	30	0	0	365	545	155	231	5.5	0.0
1982	10	14	0	0	332	467	146	205	3.0	0
1983	5	7	0	0	353	477	165	223	1.4	0
1984	40	52	0	0	278	359	133	172	14.4	0
1985	10	12	0	0	299	373	124	155	3.3	0
1986	0	0	0	0	444	539	212	258	0	0
1987	40	47	0	0	374	440	179	211	10.7	0
1988	70	79	0	0	513	582	251	285	13.6	0
1989	10	11	10	11	501	544	271	294	2.0	3.7
1990	10	10	0	0	NA	NA	NA	NA	NA	NA
1991	0	0	0	0	NA	NA	NA	NA	NA	NA
Malta										
1981	0	0	0	0	860	1284	449	670	0.0	0.0
1982	0	0	0	0	789	1109	411	578	0	0
1983	0	0	0	0	733	990	363	490	0	0
1984	0	0	0	0	717	927	394	509	0	0
1985	0	0	0	0	759	947	400	499	0	0
1986	0	0	0	0	887	1078	497	604	0	0
1987	5	6	0	0	1139	1341	605	712	.4	0
1988	0	0	0	0	1353	1534	714	810	0	0
1989	0	0	0	0	1479	1605	844	916	0	0
1990	0	0	0	0	1964	2043	1133	1178	0	0
1991	0	0	0	0	2130	2130	1234	1234	0	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Mauritania										
1981	5	7	0	0	265	396	261	390	1.9	0.0
1982	10	14	0	0	276	388	233	328	3.6	0
1983	10	14	0	0	227	307	291	393	4.4	0
1984	20	26	0	0	208	269	291	376	9.6	0
1985	0	0	0	0	234	292	374	467	0	0
1986	5	6	0	0	221	268	360	437	2.3	0
1987	0	0	0	0	235	277	428	504	0	0
1988	10	11	0	0	240	272	354	401	4.2	0
1989	20	22	0	0	222	241	437	474	9.0	0
1990	0	0	0	0	389	405	469	488	0	0
1991	0	0	0	0	NA	NA	NA	NA	NA	NA
Mauritius										
1981	0	0	0	0	563	840	332	496	0.0	0.0
1982	0	0	0	0	464	652	364	512	0	0
1983	0	0	0	0	441	596	366	494	0	0
1984	0	0	0	0	470	608	372	481	0	0
1985	0	0	0	0	523	653	436	544	0	0
1986	0	0	0	0	676	821	662	804	0	0
1987	0	0	0	0	993	1169	884	1041	0	0
1988	0	0	0	0	1261	1430	994	1127	0	0
1989	5	5	0	0	1325	1438	986	1070	.4	0
1990	0	0	0	0	1618	1683	1194	1242	0	0
1991	0	0	0	0	1575	1575	1193	1193	0	0
Mexico										
1981	50	75	10	15	24070	35930	19650	29330	0.2	0.1
1982	200	281	5	7	15130	21270	21210	29820	1.3	0
1983	40	54	5	7	8023	10840	21820	29470	.5	0
1984	20	26	10	13	11790	15240	24410	31560	.2	0
1985	30	37	10	12	13990	17460	22110	27590	.2	0
1986	100	121	10	12	12000	14580	16350	19860	.8	.1
1987	240	283	10	12	12730	14990	20890	24600	1.9	0
1988	60	68	10	11	19590	22210	20760	23540	.3	0
1989	80	87	10	11	24440	26510	23050	25010	.3	0
1990	100	104	10	10	29970	31170	27130	28220	.3	0
1991	40	40	20	20	38240	38240	27310	27310	.1	.1
Mongolia										
1981	150	224	0	0	NA	NA	NA	NA	NA	NA
1982	280	394	0	0	NA	NA	NA	NA	NA	NA
1983	40	54	0	0	NA	NA	NA	NA	NA	NA
1984	40	52	0	0	NA	NA	NA	NA	NA	NA
1985	5	6	0	0	1000	1248	388	484	.5	0
1986	10	12	0	0	NA	NA	NA	NA	NA	NA
1987	0	0	0	0	NA	NA	NA	NA	NA	NA
1988	0	0	0	0	NA	NA	NA	NA	NA	NA
1989	0	0	0	0	NA	NA	NA	NA	NA	NA
1990	0	0	0	0	NA	NA	NA	NA	NA	NA
1991	0	0	0	0	NA	NA	279	279	NA	0

TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Morocco										
1981	320	478	0	0	4411	6585	2386	3562	7.3	0.0
1982	270	380	0	0	4315	6066	2062	2899	6.3	0
1983	320	432	0	0	3592	4852	2006	2710	8.9	0
1984	210	272	0	0	3911	5057	2080	2690	5.4	0
1985	110	137	0	0	3849	4802	2165	2701	2.9	0
1986	90	109	0	0	3803	4620	2454	2981	2.4	0
1987	410	483	0	0	4230	4981	2826	3328	9.7	0
1988	130	147	0	0	4773	5412	3603	4085	2.7	0
1989	60	65	0	0	5492	5958	3307	3588	1.1	0
1990	160	166	0	0	6800	7072	4265	4436	2.4	0
1991	30	30	0	0	6873	6873	4313	4313	.4	0
Mozambique										
1981	110	164	0	0	801	1196	281	420	13.7	0.0
1982	150	211	0	0	837	1176	229	322	17.9	0
1983	400	540	5	7	636	859	132	178	62.9	3.8
1984	360	465	0	0	540	698	96	124	66.7	0
1985	270	337	0	0	424	529	77	96	63.7	0
1986	170	207	0	0	543	660	79	96	31.3	0
1987	120	141	0	0	642	756	97	114	18.7	0
1988	160	181	0	0	736	835	103	117	21.7	0
1989	120	130	0	0	808	877	105	114	14.9	0
1990	130	135	0	0	864	899	126	131	15.0	0
1991	10	10	0	0	899	899	162	162	1.1	0
Myanmar (see Burma)										
Nepal										
1981	0	0	0	0	369	551	140	209	0.0	0.0
1982	5	7	0	0	395	555	88	124	1.3	0
1983	5	7	0	0	464	627	94	127	1.1	0
1984	0	0	0	0	416	538	128	166	0	0
1985	5	6	0	0	453	565	160	200	1.1	0
1986	0	0	0	0	459	558	142	173	0	0
1987	0	0	0	0	570	671	151	178	0	0
1988	20	23	0	0	681	772	190	215	2.9	0
1989	0	0	0	0	580	629	158	171	0	0
1990	10	10	0	0	686	713	210	218	1.5	0
1991	0	0	0	0	758	758	264	264	0	0
Netherlands										
1981	380	567	330	493	67230	100400	68710	102600	0.6	0.5
1982	550	773	390	548	63770	89640	66280	93170	.9	.6
1983	675	912	170	230	61650	83270	64680	87370	1.1	.3
1984	525	679	260	336	62290	80550	65480	84660	.8	.4
1985	525	655	160	200	65200	81340	67910	84730	.8	.2
1986	470	571	120	146	75540	91770	80360	97630	.6	.1
1987	600	707	675	795	91310	107500	92570	109000	.7	.7
1988	370	420	750	850	99470	112800	103200	117000	.4	.7
1989	525	570	170	184	104300	113200	115600	125400	.5	.1
1990	450	468	100	104	126100	131100	131800	137100	.4	.1
1991	360	360	120	120	125900	125900	133500	133500	.3	.1

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
New Zealand										
1981	10	15	0	0	5734	8560	5622	8393	0.2	0.0
1982	20	28	5	7	5782	8128	5571	7831	.3	.1
1983	50	68	0	0	5333	7203	5414	7313	.9	0
1984	60	78	0	0	6203	8021	5518	7135	1.0	0
1985	80	100	0	0	5992	7476	5720	7136	1.3	0
1986	50	61	0	0	6063	7366	5880	7144	.8	0
1987	40	47	0	0	7276	8568	7195	8472	.5	0
1988	70	79	5	6	7342	8325	8784	9960	1.0	.1
1989	60	65	0	0	8784	9530	8875	9629	.7	0
1990	20	21	0	0	9501	9882	9488	9868	.2	0
1991	40	40	0	0	8396	8396	9598	9598	.5	0
Nicaragua										
1981	170	254	0	0	999	1491	508	758	17.0	0.0
1982	150	211	0	0	776	1091	406	571	19.3	0
1983	280	378	0	0	826	1116	429	579	33.9	0
1984	350	453	0	0	848	1097	386	499	41.3	0
1985	280	349	0	0	964	1203	302	377	29.0	0
1986	600	729	0	0	857	1041	247	300	70.0	0
1987	500	589	0	0	923	1087	300	353	54.2	0
1988	550	624	0	0	800E	907E	236	268	68.8	0
1989	430	467	0	0	550E	597E	308E	334E	78.2	0
1990	60	62	0	0	NA	NA	NA	NA	NA	NA
1991	0	0	0	0	738E	738E	342E	342E	0	0
Niger										
1981	10	15	0	0	510	761	455	679	2.0	0.0
1982	5	7	0	0	466	655	332	467	1.1	0
1983	0	0	0	0	324	438	299	404	0	0
1984	0	0	0	0	285	369	273	353	0	0
1985	0	0	0	0	345	431	209	261	0	0
1986	20	24	0	0	368	448	317	385	5.4	0
1987	5	6	0	0	311	366	312	368	1.6	0
1988	5	6	0	0	387	439	289	327	1.3	0
1989	5	5	0	0	363	394	244	264	1.4	0
1990	0	0	0	0	389	404	283	294	0	0
1991	0	0	0	0	NA	NA	NA	NA	NA	NA
Nigeria										
1981	430	642	0	0	20880	31170	17840	26640	2.1	0.0
1982	260	365	0	0	16060	22580	12180	17130	1.6	0
1983	310	419	0	0	12250	16550	10360	13990	2.5	0
1984	550	711	0	0	9364	12110	11860	15330	5.9	0
1985	310	387	0	0	8877	11080	12550	15660	3.5	0
1986	190	231	5	6	4034	4901	5155	6263	4.7	.1
1987	170	200	0	0	3912	4607	7365	8673	4.3	0
1988	30	34	0	0	4727	5360	6876	7796	.6	0
1989	5	5	20	22	4190	4546	7871	8539	.1	.3
1990	10	10	0	0	5688	5916	13670	14220	.2	0
1991	5	5	0	0	7508	7508	NA	NA	.1	NA

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Norway										
1981	230	343	80	119	15650	23360	18220	27200	1.5	0.4
1982	290	408	70	98	15480	21760	17590	24730	1.9	.4
1983	260	351	60	81	13500	18230	18000	24310	1.9	.3
1984	240	310	30	39	13880	17950	18890	24420	1.7	.2
1985	170	212	30	37	15560	19410	19980	24930	1.1	.2
1986	200	243	30	36	20300	24660	18090	21980	1.0	.2
1987	390	459	40	47	22640	26660	21490	25310	1.7	.2
1988	390	442	50	57	23220	26330	22440	25440	1.7	.2
1989	310	336	40	43	23670	25680	27060	29360	1.3	.1
1990	320	333	5	5	26850	27930	34030	35390	1.2	0
1991	200	200	10	10	25270	25270	34090	34090	.8	0
Oman										
1981	60	90	0	0	2288	3416	4422	6602	2.6	0.0
1982	130	183	0	0	2682	3770	4119	5790	4.8	0
1983	350	473	0	0	2492	3366	4222	5703	14.0	0
1984	310	401	0	0	2748	3553	3926	5076	11.3	0
1985	140	175	0	0	3153	3934	4705	5870	4.4	0
1986	110	134	5	6	2402	2918	2516	3057	4.6	.2
1987	110	130	0	0	1822	2145	3198	3766	6.0	0
1988	30	34	0	0	2202	2497	2625	2976	1.4	0
1989	60	65	0	0	2257	2449	3800E	4123E	2.7	0
1990	10	10	0	0	2681	2788	5500E	5720E	.4	0
1991	40	40	0	0	3194	3194	NA	NA	1.3	NA
Pakistan										
1981	320	478	40	60	5631	8406	2883	4304	5.7	1.4
1982	525	738	20	28	5465	7682	2397	3370	9.6	.8
1983	430	581	300	405	5329	7198	3077	4156	8.1	9.7
1984	625	808	310	401	5853	7568	2558	3308	10.7	12.1
1985	470	586	40	50	5890	7349	2740	3419	8.0	1.5
1986	310	377	5	6	5374	6529	3384	4111	5.8	.1
1987	330	389	5	6	5822	6856	4172	4913	5.7	.1
1988	360	408	10	11	6590	7472	4522	5127	5.5	.2
1989	500	542	10	11	7143	7750	4709	5109	7.0	.2
1990	600	624	30	31	7376	7672	5589	5813	8.1	.5
1991	120	120	10	10	8439	8439	6528	6528	1.4	.2
Panama										
1981	5	7	0	0	1540	2299	328	490	0.3	0.0
1982	10	14	0	0	1570	2207	371	522	.6	0
1983	0	0	0	0	1412	1907	321	434	0	0
1984	10	13	0	0	1423	1840	274	354	.7	0
1985	10	12	0	0	1392	1737	334	417	.7	0
1986	10	12	0	0	1229	1493	349	424	.8	0
1987	20	24	0	0	1306	1538	358	422	1.5	0
1988	10	11	0	0	751	852	307	348	1.3	0
1989	10	11	0	0	986	1070	318	345	1.0	0
1990	5	5	0	0	1539	1601	340	354	.3	0
1991	5	5	0	0	1695	1695	342	342	.3	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Papua New Guinea										
1981	20	30	0	0	1761	1883	838	1251	1.6	0.0
1982	0	0	0	0	1170	1645	771	1084	0	0
1983	20	27	0	0	1120	1513	813	1098	1.8	0
1984	30	39	0	0	1110	1435	892	1153	2.7	0
1985	10	12	0	0	1008	1258	912	1138	1.0	0
1986	0	0	0	0	1080	1312	1033	1255	0	0
1987	10	12	0	0	1165	1372	1161	1367	.9	0
1988	30	34	0	0	1393	1579	1399	1586	2.2	0
1989	50	54	0	0	1530	1660	1404	1523	3.3	0
1990	10	10	0	0	1155	1201	1133	1178	.9	0
1991	0	0	0	0	1613	1613	1282	1282	0	0
Paraguay										
1981	5	7	0	0	600	896	296	442	0.8	0.0
1982	0	0	0	0	672	945	330	464	0	0
1983	0	0	0	0	546	737	269	363	0	0
1984	20	26	0	0	586	758	335	433	3.4	0
1985	20	25	0	0	502	626	304	379	4.0	0
1986	10	12	0	0	578	702	234	284	1.7	0
1987	0	0	0	0	595	701	353	416	0	0
1988	30	34	0	0	574	651	510	578	5.2	0
1989	0	0	0	0	741	804	1006	1091	0	0
1990	5	5	0	0	1313	1366	959	997	.4	0
1991	0	0	0	0	1212	1212	737	737	0	0
Peru										
1981	360	537	0	0	3482	5198	3255	4859	10.3	0.0
1982	260	365	60	84	3601	5062	3259	4581	7.2	1.8
1983	240	324	0	0	2548	3442	3015	4072	9.4	0
1984	190	246	0	0	2212	2860	3147	4069	8.6	0
1985	60	75	0	0	1835	2289	2979	3717	3.3	0
1986	170	207	0	0	2909	3534	2531	3075	5.8	0
1987	440	518	0	0	3562	4194	2661	3133	12.4	0
1988	30	34	0	0	3348	3796	2701	3063	.9	0
1989	140	152	0	0	2749	2982	3488	3784	5.1	0
1990	70	73	0	0	3462	3601	3231	3360	2.0	0
1991	10	10	0	0	4193	4193	3329	3329	.2	0
Philippines										
1981	60	90	0	0	8479	12660	5655	8442	0.7	0.0
1982	60	84	0	0	8263	11620	4968	6984	.7	0
1983	30	41	20	27	7976	10770	4890	6605	.4	.4
1984	40	52	10	13	6432	8317	5274	6820	.6	.2
1985	30	37	10	12	5459	6811	4607	5748	.5	.2
1986	40	49	10	12	5394	6553	4770	5795	.7	.2
1987	50	59	0	0	7144	8412	5649	6652	.7	0
1988	60	68	0	0	8721	9888	7032	7973	.7	0
1989	70	76	0	0	11170	12120	7755	8414	.6	0
1990	70	73	0	0	13040	13560	8068	8391	.5	0
1991	80	80	0	0	12790	12790	8767	8767	.6	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Poland										
1981	1100	1642	1000	1493	12790	19100	10670	15940	8.6	9.4
1982	900	1265	925	1300	10650	14970	11210	15760	8.5	8.2
1983	875	1182	1100	1486	10930	14760	11570	15630	8.0	9.5
1984	490	634	1000	1293	10980	14200	11750	15190	4.5	8.5
1985	1100	1372	1300	1622	11850	14790	11490	14330	9.3	11.3
1986	1200	1458	1500	1822	11530	14010	12070	14670	10.4	12.4
1987	825	971	1300	1531	11210	13210	12200	14370	7.4	10.7
1988	1000	1134	1200	1361	12710	14410	13960	15830	7.9	8.6
1989	625	678	400	434	10660	11560	13470	14610	5.9	3.0
1990	150	156	50	52	8413	8750	13630	14170	1.8	.4
1991	0	0	90	90	15760	15760	14900	14900	0	.6
Portugal										
1981	170	254	30	45	9800	14630	4148	6193	1.7	0.7
1982	90	127	110	155	9572	13460	4164	5853	.9	2.6
1983	50	68	70	95	8240	11130	4599	6212	.6	1.5
1984	40	52	110	142	7961	10290	5200	6724	.5	2.1
1985	220	274	210	262	7652	9547	5685	7093	2.9	3.7
1986	30	36	220	267	9650	11720	7242	8798	.3	3.0
1987	30	35	60	71	13970	16450	9320	10970	.2	.6
1988	50	57	100	113	17870	20260	10990	12460	.3	.9
1989	70	76	50	54	19070	20690	12800	13890	.4	.4
1990	330	343	0	0	24890	25890	16340	16990	1.3	0
1991	550	550	0	0	26110	26110	16280	16280	2.1	0
Qatar										
1981	150	224	0	0	1518	2266	5691	8496	9.9	0.0
1982	270	380	0	0	1947	2737	4343	6105	13.9	0
1983	240	324	0	0	1456	1967	3345	4518	16.5	0
1984	210	272	0	0	1162	1503	4258	5506	18.1	0
1985	40	50	0	0	1139	1421	4203	5244	3.5	0
1986	80	97	0	0	1099	1335	2720	3304	7.3	0
1987	0	0	0	0	1162	1368	2113	2488	0	0
1988	30	34	0	0	1267	1437	2200	2495	2.4	0
1989	0	0	0	0	1326	1439	NA	NA	0	NA
1990	5	5	0	0	1695	1763	3200E	3328E	.3	0
1991	20	20	0	0	NA	NA	NA	NA	NA	NA
Romania										
1981	150	224	490	732	13450	20090	12610	18830	1.1	3.9
1982	30	42	775	1089	10520	14800	11560	16250	.3	6.7
1983	70	95	380	513	10410	14070	11510	15550	.7	3.3
1984	130	168	310	401	11160	14430	12650	16350	1.2	2.5
1985	40	50	440	549	11270	14060	12170	15180	.4	3.6
1986	500	607	310	377	8731	10610	12540	15240	5.7	2.5
1987	120	141	210	247	8978	10570	10490	12350	1.3	2.0
1988	20	23	150	170	8254	9359	13090	14840	.2	1.1
1989	20	22	70	76	9113	9887	10490	11380	.2	.7
1990	430	447	0	0	9843	10240	5870	6105	4.4	0
1991	170	170	0	0	5601	5601	4128	4128	3.0	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Rwanda										
1981	0	0	0	0	283	422	82	122	0.0	0.0
1982	0	0	0	0	286	402	90	127	0	0
1983	0	0	0	0	279	377	121	163	0	0
1984	5	6	0	0	278	359	145	187	1.8	0
1985	0	0	0	0	298	372	131	163	0	0
1986	0	0	0	0	349	424	189	230	0	0
1987	0	0	0	0	352	414	114	134	0	0
1988	0	0	0	0	370	420	108	122	0	0
1989	20	22	0	0	333	361	88	95	6.0	0
1990	0	0	0	0	288	300	110	114	0	0
1991	0	0	0	0	306	306	93	93	0	0
Sao Tome & Principe										
								c		
1981	0	0	0	0	17	25	9	13	0.0	0.0
1982	0	0	0	0	NA	NA	NA	NA	NA	NA
1983	10	14	0	0	NA	NA	NA	NA	NA	NA
1984	0	0	0	0	NA	NA	NA	NA	NA	NA
1985	0	0	0	0	10	12	6	7	0.0	0
1986	20	24	0	0	17	21	10	12	117.6	0
1987	5	6	0	0	14	16	7	8	35.7	0
1988	0	0	0	0	14	16	10	11	0.0	0
1989	5	5	0	0	18	20	5	5	27.8	0
1990	5	5	0	0	21 E	22 E	4 E	5 E	23.5	0
1991	0	0	0	0	NA	NA	NA	NA	NA	NA
Saudi Arabia										
	h	h								
1981	2800	4180	550	821	35270	52650	119900	179000	7.9	0.5
1982	3000	4217	0	0	40640	57130	79080	111200	7.4	0
1983	4000	5403	0	0	39200	52940	45860	61950	10.2	0
1984	4900	6336	40	52	33700	43570	37540	48550	14.5	.1
1985	5500	6862	10	12	23620	29470	27480	34290	23.3	0
1986	4600	5588	20	24	19110	23220	20180	24520	24.1	.1
1987	6700	7889	20	24	20110	23680	23200	27320	33.3	.1
1988	5100	5783	5	6	21780	24700	23740	26920	23.4	0
1989	5200	5642	5	5	21150	22950	27740	30100	24.6	0
1990	5900	6136	0	0	24070	25030	44420	46200	24.5	0
1991	6900	6900	0	0	NA	NA	50180 E	50180 E	NA	0
Senegal										
1981	20	30	0	0	1076	1606	500	746	1.9	0.0
1982	5	7	0	0	992	1394	548	770	.5	0
1983	5	7	0	0	1025	1384	618	835	.5	0
1984	0	0	0	0	981	1268	634	820	0	0
1985	5	6	0	0	826	1031	562	701	.6	0
1986	5	6	0	0	961	1168	625	759	.5	0
1987	30	35	0	0	1024	1206	606	714	2.9	0
1988	10	11	0	0	1080	1224	591	670	.9	0
1989	5	5	0	0	1236	1341	670	727	.4	0
1990	0	0	0	0	1442	1500	719	747	0	0
1991	0	0	0	0	1429	1429	754	754	0	0

TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Sierra Leone										
1981	0	0	0	0	328	490	150	224	0.0	0.0
1982	0	0	0	0	298	419	111	156	0	0
1983	5	7	0	0	160	216	119	161	3.1	0
1984	0	0	0	0	157	203	133	172	0	0
1985	0	0	0	0	151	188	130	162	0	0
1986	0	0	0	0	132	160	144	175	0	0
1987	10	12	0	0	137	161	130	153	7.3	0
1988	0	0	0	0	156	177	106	120	0	0
1989	0	0	0	0	183	199	138	150	0	0
1990	0	0	0	0	149	155	138	144	0	0
1991	0	0	0	0	163	163	143	143	0	0
Singapore										
1981	90	134	40	60	27570	41160	20970	31300	0.3	0.2
1982	50	70	10	14	28170	39600	20790	29220	.2	0
1983	210	284	10	14	28160	38030	21830	29490	.7	0
1984	180	233	70	91	28670	37070	24070	31120	.6	.3
1985	120	150	40	50	26280	32790	22810	28460	.5	.2
1986	280	340	60	73	25510	30990	22490	27330	1.1	.3
1987	260	306	40	47	32560	38340	28690	33780	.8	.1
1988	360	408	50	57	43860	49740	39310	44570	.8	.1
1989	150	163	70	76	49670	53890	44660	48460	.3	.2
1990	130	135	20	21	60900	63340	52750	54870	.2	0
1991	120	120	30	30	66290	66290	59020	59020	.2	.1
Somalia										
1981	60	90	0	0	512	764	152	227	c 11.7	0.0
1982	130	183	0	0	250	351	94	132	52.0	0
1983	70	95	0	0	346	467	107	145	20.2	0
1984	90	116	0	0	103	133	44	57	87.4	0
1985	60	75	0	0	112	140	91	114	53.6	0
1986	20	24	0	0	279	339	85	103	7.2	0
1987	20	24	0	0	132	155	104	122	15.2	0
1988	30	34	0	0	354	401	58	66	8.5	0
1989	30	33	0	0	NA	NA	NA	NA	NA	NA
1990	5	5	0	0	249E	259E	58E	60E	2.0	0
1991	0	0	0	0	NA	NA	NA	NA	NA	NA
South Africa										
1981	5	7	20	30	22620	33770	20860	31140	0.0	0.1
1982	10	14	20	28	18570	26110	17800	25030	.1	.1
1983	20	27	0	0	15700	21210	18610	25130	.1	0
1984	10	13	10	13	16230	20990	17350	22430	.1	.1
1985	20	25	90	112	11470	14310	16520	20610	.2	.5
1986	20	24	10	12	12990	15780	18450	22420	.2	.1
1987	40	47	80	94	15330	18050	23540	27720	.3	.3
1988	10	11	60	68	18760	21270	21550	24430	.1	.3
1989	100	108	50	54	17880	19400	22220	24110	.6	.2
1990	0	0	50	52	17480	18180	23630	24570	0	.2
1991	90	90	20	20	18800	18800	24160	24160	.5	.1

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Soviet Union										
1981	1000	1493	17800	26570	73190	109300	79380	118500	1.4	22.4
1982	975	1371	18900	26570	77850	109400	87170	122500	1.3	21.7
1983	1500	2026	19400	26200	80440	108700	91650	123800	1.9	21.2
1984	1400	1810	19400	25090	80410	104000	91490	118800	1.7	21.2
1985	1200	1497	17300	21580	83310	103000	87200	108800	1.4	19.8
1986	1300	1579	21500	26120	88870	108000	97050	117900	1.5	22.2
1987	1300	1531	21900	25790	95970	113000	107700	126800	1.4	20.3
1988	1200	1361	21700	24600	107300	121700	110700	125600	1.1	19.6
1989	900	976	19800	21480	114700	124400	109300	118600	.8	18.1
1990	100	104	14200	14770	139000	144600	101000	105000	.1	14.1
1991	0	0	6600	6600	78000	78000	68000	68000	0	9.7
Spain										
1981	400	597	120	179	32150	48000	20330	30360	1.2	0.6
1982	390	548	600	843	31460	44230	20500	28810	1.2	2.9
1983	310	419	420	567	29190	39430	19730	26660	1.1	2.1
1984	200	259	1100	1422	28830	37280	23510	30400	.7	4.7
1985	120	150	575	717	29960	37380	24250	30250	.4	2.4
1986	330	401	270	328	35060	42990	27210	33050	.9	1.0
1987	1000	1178	600	707	49110	57830	34190	40260	2.0	1.8
1988	975	1106	500	567	60530	68630	40340	45740	1.6	1.2
1989	775	841	150	163	71470	77540	44490	48270	1.1	.3
1990	400	416	280	291	87700	91210	55640	57870	.5	.5
1991	150	150	60	60	93870	93870	59360	59360	.2	.1
Sri Lanka										
1981	0	0	0	0	1849	2760	1094	1633	0.0	0.0
1982	0	0	0	0	1831	2574	1030	1448	0	0
1983	0	0	0	0	1820	2458	1066	1440	0	0
1984	20	26	0	0	1867	2414	1451	1876	1.1	0
1985	40	50	0	0	1843	2299	1293	1613	2.2	0
1986	10	12	0	0	1857	2256	1215	1476	.5	0
1987	50	59	0	0	2058	2423	1368	1611	2.4	0
1988	20	23	0	0	2262	2565	1479	1677	.9	0
1989	10	11	0	0	2188	2374	1545	1676	.5	0
1990	10	10	0	0	2685	2793	1983	2062	.4	0
1991	50	50	0	0	3054	3064	2039	2039	1.6	0
Sudan										
1981	150	224	5	7	1553	2318	657	981	9.7	0.8
1982	240	337	0	0	1282	1802	498	700	18.7	0
1983	100	135	0	0	1354	1829	624	843	7.4	0
1984	110	142	0	0	1147	1483	629	813	9.6	0
1985	40	50	0	0	771	962	374	467	5.2	0
1986	50	61	5	6	961	1168	333	405	5.2	1.5
1987	80	94	0	0	871	1026	504	593	9.2	0
1988	80	91	0	0	1060	1202	509	577	7.5	0
1989	130	141	0	0	NA	NA	672	729	NA	0
1990	90	94	0	0	1000 E	1040 E	465 E	484 E	9.0	0
1991	90	90	0	0	1400 E	1400 E	325 E	325 E	6.4	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Suriname										
1981	0	0	0	0	568	848	480	717	0.0	0.0
1982	10	14	0	0	514	723	429	603	1.9	0
1983	0	0	0	0	472	638	367	496	0	0
1984	20	26	0	0	346	447	356	460	5.8	0
1985	10	12	0	0	299	373	329	410	3.3	0
1986	10	12	0	0	244	296	241	293	4.1	0
1987	0	0	0	0	294	346	306	360	0	0
1988	0	0	0	0	351	398	409	464	0	0
1989	0	0	0	0	443	481	542	588	0	0
1990	5	5	0	0	472	491	472	491	1.1	0
1991	0	0	0	0	NA	NA	NA	NA	NA	NA
Swaziland										
1981	0	0	0	0	506	755	391	584	0.0	0.0
1982	0	0	0	0	440	619	325	457	0	0
1983	0	0	0	0	551	744	304	411	0	0
1984	0	0	0	0	447	578	237	306	0	0
1985	0	0	0	0	323	403	176	220	0	0
1986	0	0	0	0	352	428	267	324	0	0
1987	0	0	0	0	435	512	406	478	0	0
1988	0	0	0	0	516	586	453	514	0	0
1989	0	0	0	0	581	630	443	481	0	0
1990	0	0	0	0	632	657	493 E	513 E	0	0
1991	0	0	0	0	NA	NA	509 E	509 E	NA	0
Sweden										
1981	110	164	170	254	28840	43050	28660	42780	0.4	0.6
1982	80	112	270	380	27580	38780	26810	37680	.3	1.0
1983	100	135	100	135	26100	35250	27450	37070	.4	.4
1984	100	129	160	207	26430	34170	29380	37990	.4	.5
1985	80	100	210	262	28550	35620	30460	38000	.3	.7
1986	80	97	250	304	32690	39720	37260	45270	.2	.7
1987	90	106	775	913	40710	47930	44510	52410	.2	1.7
1988	140	159	775	879	45630	51740	49750	56410	.3	1.6
1989	240	260	675	732	48970	53130	51550	55920	.5	1.3
1990	70	73	130	135	54430	56620	57570	59880	.1	.2
1991	40	40	20	20	49670	49670	55210	55210	.1	0
Switzerland										
1981	130	194	350	523	30700	45830	27030	40350	0.4	1.3
1982	100	141	390	548	28680	40310	26020	36570	.3	1.5
1983	360	486	430	581	29190	39430	25590	34570	1.2	1.7
1984	575	744	575	744	29520	38170	25850	33430	1.9	2.2
1985	750	936	330	412	30700	38300	27430	34230	2.4	1.2
1986	550	668	290	352	41050	49870	37450	45500	1.3	.8
1987	260	306	410	483	50650	59640	45510	53600	.5	.9
1988	310	351	230	261	56360	63910	50700	57490	.6	.5
1989	420	456	90	98	58190	63140	51520	55900	.7	.2
1990	575	598	250	260	69680	72470	63780	66340	.8	.4
1991	110	110	50	50	66480	66480	61520	61520	.2	.1

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Syria										
									^c	
1981	2600	3882	0	0	5172	7721	2103	3140	50.3	0.0
1982	2600	3655	120	169	4028	5662	2026	2848	64.5	5.9
1983	3500	4728	30	41	4542	6135	1923	2597	77.1	1.6
1984	2200	2845	10	13	4116	5322	1853	2396	53.4	.5
1985	1500	1871	0	0	3967	4949	1640	2046	37.8	0
1986	1100	1336	20	24	2728	3314	1325	1610	40.3	1.5
1987	2000	2355	0	0	2470	2909	1334	1571	81.0	0
1988	1300	1474	0	0	2216	2513	1336	1515	58.7	0
1989	1000	1085	0	0	2084	2261	2986	3240	48.0	0
1990	975	1014	0	0	2400	2496	4253	4423	40.6	0
1991	650	650	0	0	2694	2694	3618	3618	24.1	0
Tanzania										
1981	80	119	0	0	1213	1811	580	866	6.6	0.0
1982	70	98	0	0	1166	1639	450	633	6.0	0
1983	40	54	0	0	832	1124	364	492	4.8	0
1984	50	65	0	0	680	879	298	385	7.4	0
1985	50	62	0	0	1017	1269	247	308	4.9	0
1986	30	36	0	0	868	1055	361	439	3.5	0
1987	90	106	0	0	967	1139	241	284	9.3	0
1988	70	79	0	0	800	907	275	312	8.8	0
1989	40	43	0	0	1023	1110	317	344	3.9	0
1990	30	31	0	0	698	726	331	344	4.3	0
1991	10	10	0	0	1170	1170	478 E	478 E	.9	0
Thailand										
1981	330	493	0	0	9959	14860	7031	10500	3.3	0.0
1982	160	225	5	7	8549	12020	6945	9763	1.9	.1
1983	310	419	0	0	10290	13890	6368	8601	3.0	0
1984	300	388	0	0	10400	13450	7413	9585	2.9	0
1985	150	187	0	0	9242	11530	7120	8883	1.6	0
1986	140	170	0	0	9178	11150	8872	10780	1.5	0
1987	390	459	0	0	13020	15340	11650	13720	3.0	0
1988	525	595	0	0	20280	23000	15950	18090	2.6	0
1989	230	250	0	0	25770	27960	20080	21780	.9	0
1990	190	198	0	0	33380	34720	23070	23990	.6	0
1991	430	430	0	0	37570	37570	28260	28260	1.1	0
Togo										
1981	40	60	0	0	434	648	208	311	9.2	0.0
1982	5	7	0	0	393	552	178	250	1.3	0
1983	0	0	0	0	283	382	163	220	0	0
1984	0	0	0	0	271	350	192	248	0	0
1985	0	0	0	0	288	359	190	237	0	0
1986	10	12	0	0	312	379	204	248	3.2	0
1987	0	0	0	0	424	499	244	287	0	0
1988	0	0	0	0	487	552	242	274	0	0
1989	5	5	0	0	472	512	245	266	1.1	0
1990	0	0	0	0	NA	NA	245	255	NA	0
1991	0	0	0	0	NA	NA	249	245	NA	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Trinidad & Tobago										
1981	0	0	0	0	3089	4612	3761	5615	0.0	0.0
1982	0	0	0	0	3492	4909	3079	4328	0	0
1983	0	0	0	0	2505	3384	2384	3220	0	0
1984	0	0	0	0	1898	2454	2156	2788	0	0
1985	0	0	0	0	1586	1979	2196	2740	0	0
1986	0	0	0	0	1345	1634	1376	1672	0	0
1987	0	0	0	0	1261	1485	1460	1719	0	0
1988	0	0	0	0	1123	1273	1391	1577	0	0
1989	0	0	0	0	1217	1320	1558	1690	0	0
1990	0	0	0	0	1121	1166	1718	1787	0	0
1991	0	0	0	0	1663	1663	1983	1983	0	0
Tunisia										
1981	60	90	0	0	3791	5660	2500	3732	1.6	0.0
1982	60	84	0	0	3420	4808	1986	2792	1.8	0
1983	40	54	0	0	3107	4197	1850	2499	1.3	0
1984	130	168	0	0	3174	4104	1794	2320	4.1	0
1985	300	374	0	0	2757	3440	1738	2168	10.9	0
1986	90	109	0	0	2890	3511	1759	2137	3.1	0
1987	50	59	0	0	3039	3579	2139	2519	1.6	0
1988	20	23	0	0	3689	4183	2395	2716	.5	0
1989	20	22	0	0	4374	4745	2930	3179	.5	0
1990	20	21	0	0	5542	5764	3526	3667	.4	0
1991	20	20	0	0	5190	5190	3714	3714	.4	0
Turkey										
1981	370	552	10	15	8864	13230	4703	7021	4.2	0.2
1982	470	661	20	28	8794	12360	5746	8077	5.3	.3
1983	525	709	90	122	9179	12400	5728	7737	5.7	1.6
1984	500	647	160	207	10660	13790	7134	9225	4.7	2.2
1985	450	561	120	150	11270	14070	7958	9929	4.0	1.5
1986	625	759	0	0	11020	13390	7466	9070	5.7	0
1987	950	1119	10	12	14160	16670	10190	12000	6.7	0
1988	950	1077	10	11	14330	16260	11660	13220	6.6	.1
1989	1200	1302	0	0	15760	17100	11630	12610	7.6	0
1990	900	936	5	5	22300	23200	12960	13480	4.0	0
1991	800	800	20	20	21080	21080	13600	13600	3.8	.1
Uganda										
1981	40	60	0	0	220	328	243	363	18.2	0.0
1982	60	84	0	0	377	530	349	491	15.9	0
1983	30	41	0	0	377	509	372	502	8.0	0
1984	10	13	0	0	344	445	399	516	2.9	0
1985	10	12	0	0	327	408	387	483	3.1	0
1986	20	24	0	0	307	373	436	530	6.5	0
1987	60	71	0	0	848	999	319	376	7.1	0
1988	90	102	0	0	887	1006	271	307	10.1	0
1989	20	22	0	0	394	427	273	296	5.1	0
1990	10	10	0	0	213	222	147	153	4.7	0
1991	10	10	0	0	178	178	199	199	5.6	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
United Arab Emirates										
1981	240	358	0	0	9646	14400	20350	30380	2.5	0.0
1982	50	70	0	0	9440	13270	16490	23180	.9	0
1983	40	54	10	14	8294	11200	14670	19820	.5	.1
1984	190	246	5	6	6936	8969	14190	18350	2.7	0
1985	190	237	0	0	6549	8171	14040	17520	2.9	0
1986	160	194	0	0	6422	7802	15840	19240	2.5	0
1987	250	294	0	0	7226	8509	12000	14130	3.9	0
1988	90	102	0	0	8522	9663	10600	12020	1.1	0
1989	850	922	5	5	10010	10860	15000E	16270E	8.5	0
1990	850	884	0	0	11200	11650	21300E	22150E	7.6	0
1991	150	150	0	0	13750	13750	24700E	24700E	1.1	0
United Kingdom										
1981	470	702	2800	4180	102700	153300	102200	152600	0.5	2.7
1982	490	689	3300	4639	99650	140100	96980	136300	.5	3.4
1983	650	878	1900	2566	100100	135200	91650	123800	.6	2.1
1984	850	1099	2100	2715	104700	135400	93880	121400	.8	2.2
1985	675	842	1600	1996	109000	135900	101300	126300	.6	1.6
1986	675	820	3300	4009	126300	153500	107200	130200	.5	3.1
1987	550	643	4800	5652	154400	181800	131300	154600	.4	3.7
1988	460	522	4700	5329	189300	214700	145200	164600	.2	3.2
1989	775	841	4700	5099	197700	214500	152300	165300	.4	3.1
1990	850	884	4300	4472	222800	231700	185200	192600	.4	2.3
1991	525	525	3700	3700	209900	209900	185000	185000	.3	2.0
United States										
1981	800	1194	8600	12840	273400	408100	238700	356400	0.3	3.6
1982	1200	1687	9300	13070	254900	358300	216400	304300	.5	4.3
1983	1100	1486	11600	15670	269900	364500	205600	277800	.4	5.6
1984	1600	2069	10600	13710	346400	447900	224000	289600	.5	4.7
1985	1800	2246	11100	13850	352500	439700	218800	273000	.5	5.1
1986	1900	2308	9200	11180	382300	464400	227200	276000	.5	4.1
1987	2200	2591	14200	16720	424400	499800	254100	299200	.5	5.6
1988	2800	3175	11400	12930	459500	521100	322400	365600	.6	3.5
1989	1600	1736	13500	14650	492900	534800	363800	394700	.3	3.7
1990	1700	1768	9900	10300	517000	537700	393600	409400	.3	2.5
1991	1900	1900	9600	9600	509000	509000	422200	422200	.4	2.3
Upper Volta (see Burkina Faso)										
Uruguay										
1981	60	90	0	0	1641	2450	1215	1814	3.7	0.0
1982	20	28	0	0	1110	1560	1023	1438	1.8	0
1983	10	14	0	0	788	1064	1045	1412	1.3	0
1984	0	0	0	0	777	1005	934	1208	0	0
1985	0	0	0	0	708	883	909	1134	0	0
1986	0	0	0	0	870	1057	1088	1322	0	0
1987	0	0	0	0	1142	1345	1189	1400	0	0
1988	5	6	0	0	1157	1312	1405	1593	.4	0
1989	20	22	0	0	1174	1274	1594	1729	1.7	0
1990	20	21	0	0	1318	1371	1693	1761	1.5	0
1991	5	5	0	0	1623	1623	1594	1594	.3	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Venezuela										
1981	280	418	0	0	13110	19570	20980	31320	2.1	0.0
1982	230	323	0	0	12940	18200	16590	23320	1.8	0
1983	140	189	0	0	6419	8670	13940	18820	2.2	0
1984	480	621	0	0	7774	10050	16000	20680	6.2	0
1985	525	655	0	0	8106	10110	14440	18010	6.5	0
1986	100	121	0	0	8504	10330	8660	10520	1.2	0
1987	110	130	0	0	9659	11370	10580	12450	1.1	0
1988	120	136	0	0	12730	14430	10240	11610	.9	0
1989	170	184	0	0	7803	8466	13140	14260	2.2	0
1990	200	208	0	0	7070	7353	17490	18190	2.8	0
1991	140	140	0	0	11070	11070	15050	15050	1.3	0
Vietnam										
1981	1100	1642	0	0	1398	2087	467	697	78.7	0.0
1982	1400	1968	10	14	1438	2021	595	836	97.4	1.7
1983	1500	2026	0	0	1310	1769	588	794	114.5	0
1984	1600	2069	0	0	1560	2017	665	860	102.6	0
1985	1500	1871	20	25	1590	1984	746	931	94.3	2.7
1986	2100	2551	0	0	2155	2618	785	954	97.4	0
1987	1900	2237	110	130	2191	2580	880	1036	86.7	12.5
1988	1500	1701	80	91	2616	2966	1073	1217	57.3	7.5
1989	1300	1410	0	0	3056	3316	1502	1630	42.5	0
1990	1100	1144	0	0	2600 E	2704 E	2300 E	2392 E	42.3	0
1991	200	200	0	0	1900	1900	1800	1800	10.5	0
Yemen (Aden)										
1981	500	746	0	0	1420	2120	607	907	35.2	0.0
1982	250	351	0	0	1599	2248	795	1118	15.6	0
1983	775	1047	0	0	1483	2003	674	910	52.3	0
1984	330	427	0	0	1543	1995	645	834	21.4	0
1985	390	487	0	0	1448	1807	579	722	26.9	0
1986	110	134	0	0	483	587	290	352	22.8	0
1987	300	353	0	0	497	585	54	64	60.4	0
1988	380	431	0	0	598	678	82	93	63.5	0
1989	230	250	0	0	554 E	601 E	114 E	123 E	41.5	0
1990j	500	520	0	0	NA	NA	NA	NA	NA	NA
Yemen (Sanaa)										
1981	1000	1493	20	30	1758	2624	47	70	56.9	42.6
1982	420	590	0	0	1521	2138	39	55	27.6	0
1983	490	662	0	0	1618	2185	27	36	30.3	0
1984	80	103	0	0	1557	2013	16	21	5.1	0
1985	230	287	0	0	1313	1638	13	16	17.5	0
1986	280	340	0	0	1159	1408	8	10	24.2	0
1987	400	471	0	0	883	1040	48	57	45.3	0
1988	430	488	0	0	1384	1569	NA	NA	31.1	NA
1989	420	456	0	0	1300	1410	606	657	32.3	0
1990j	650	675	0	0	NA	NA	NA	NA	NA	NA
1991j	200	200	0	0	NA	NA	NA	NA	NA	NA

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991	Current	Constant 1991		
Yugoslavia										
1981	90	134	330	493	15730	23480	10940	16330	0.6	3.0
1982	260	365	360	506	13450	18910	10250	14410	1.9	3.5
1983	250	338	380	513	12150	16420	9914	13390	2.1	3.8
1984	100	129	650	840	12000	15510	10250	13260	.8	6.3
1985	30	37	420	524	12210	15230	10700	13350	.2	3.9
1986	30	36	360	437	11750	14280	10350	12580	.3	3.5
1987	625	736	320	377	12630	14870	11440	13470	4.9	2.8
1988	40	45	230	261	13170	14930	12660	14360	.3	1.8
1989	120	130	160	174	14830	16090	13460	14600	.8	1.2
1990	10	10	250	260	18870	19630	14310	14880	.1	1.7
1991	0	0	30	30	14740	14740	13950	13950	0	.2
Zaire										
1981	50	75	0	0	668	997	579	864	7.5	0.0
1982	40	56	0	0	480	675	400	562	8.3	0
1983	30	41	0	0	470	635	1131	1528	6.4	0
1984	20	26	0	0	676	874	1003	1297	3.0	0
1985	30	37	0	0	793	989	950	1185	3.8	0
1986	30	36	0	0	871	1058	1093	1328	3.4	0
1987	50	59	0	0	764	900	983	1158	6.5	0
1988	40	45	0	0	765	867	1121	1271	5.2	0
1989	0	0	0	0	849	921	1254	1360	0	0
1990	20	21	0	0	886	921	999	1039	2.3	0
1991	0	0	0	0	710	710	828	828	0	0
Zambia										
1981	60	90	0	0	1261	1883	1079	1611	4.8	0.0
1982	40	56	0	0	1201	1688	1024	1439	3.3	0
1983	0	0	0	0	851	1149	836	1129	0	0
1984	10	13	0	0	730	944	652	843	1.4	0
1985	10	12	0	0	654	816	784	978	1.5	0
1986	5	6	0	0	648	787	517	628	.8	0
1987	5	6	0	0	816	961	873	1028	.6	0
1988	0	0	0	0	835	947	1179	1337	0	0
1989	60	65	0	0	928	1007	1334	1447	6.5	0
1990	0	0	0	0	1242	1292	1292	1344	0	0
1991	10	10	0	0	1300	1300	1100	1100	.8	0
Zimbabwe										
1981	70	105	0	0	1696	2532	1268	1893	4.1	0.0
1982	90	127	0	0	1639	2304	1276	1794	5.5	0
1983	20	27	0	0	1205	1628	1135	1533	1.7	0
1984	70	91	0	0	1098	1420	1154	1492	6.4	0
1985	0	0	0	0	1031	1286	959	1196	0	0
1986	100	134	0	0	1132	1375	1054	1280	9.7	0
1987	80	94	0	0	1205	1419	1427	1680	6.6	0
1988	0	0	0	0	1304	1479	1643	1863	0	0
1989	10	11	0	0	1701	1845	NA	NA	.6	NA
1990	0	0	0	0	2127	2212	1726	1795	0	0
1991	5	5	0	0	1600E	1600E	1800E	1800E	.3	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1981-1991
By Region, Organization, and Country — continued**

E Estimate based on partial or uncertain data. 0 Nil or negligible (\$2.5 million or less). NA Not available.

- a To avoid the appearance of excessive accuracy, arms transfer data by country are rounded, with greater severity for larger amounts. All country group totals for arms exports and arms imports shown here are the sums of rounded country data, except for world totals, which are the rounded sums of unrounded country data. This exception is made to preserve the equality of world arms exports and world arms imports; the rounded country data produce unequal world summations.
- b Total imports and exports usually are as reported by individual countries and the extent to which arms transfers are included is often uncertain. Imports are reported "cif" (including cost of shipping, insurance, and freight) and exports are reported "fob" (excluding these costs). For these reasons and because of divergent sources, world totals for imports and exports are not equal.
- c Because some countries exclude arms imports or exports from their trade statistics and their "total" imports and exports are therefore understated and because arms transfers may be estimated independently of trade data, the resulting ratios of arms to total imports or exports may be overstated and may even exceed 100 percent.
- d In order to reduce distortions in grouped data trends caused by data gaps for individual countries and years (shown as "NA"), the totals for the world, regions, and organizations include rough approximations for the gaps.
- e Includes transfers to NATO agencies as such, which are not attributable to individual recipient countries.
- f The estimated dollar values of the Soviet Union's arms exports in this and the previous four editions of this report are revised upward substantially from those in previous editions. See Statistical Notes, Arms Transfers, for further discussion.
- g Unified Germany as of 1991 is shown under West Germany; data for East Germany end in 1990.
- h Includes major equipment purchased by the U.S. Army Corps of Engineers for use in military construction projects in Saudi Arabia, recorded in U.S. accounts as U.S. imports.
- i US arms imports data shown in the last two editions has been revised upward substantially from previous editions. (See Statistical Notes, Arms Imports.)
- j The Yemens became unified on May 22, 1990. Arms purchases made by Unified Yemen following this date are shown under Yemen (Sanaa).

TABLE III. Arms Transfer Deliveries, Cumulative 1987-1991
By Major Supplier and Recipient Country
(In Millions of Current Dollars)

RECIPIENT \ SUPPLIER	TOTAL ^a	SOVIET UNION ^b	UNITED STATES	UNITED KINGDOM	FRANCE	CHINA	WEST GERMANY ^c	OTHER WARSAW PACT	OTHER EUROPE	MIDDLE EAST	OTHER EAST ASIA	LATIN AMERICA	OTHERS
WORLD TOTALS	227,260	84,350	58,855 ^d	22,275	11,350	9,515	6,365	10,085	10,465	4,415	3,090	2,690	3,805
DEVELOPED(*)	51,045	7,535	23,405	3,940	1,220	30	3,190	4,305	2,605	1,825	350	80	2,560
DEVELOPING	176,215	76,815	35,450 ^d	18,335	10,130	9,485	3,175	5,780	7,860	2,590	2,740	2,610	1,245
OPEC(##)	65,870	14,570	6,490	16,965	6,855	7,355	755	4,255	3,510	870	1,935	1,790	520
NATO	38,995	0	22,715 ^d	4,000	2,195	30	3,185	15	2,455	1,445	320	85	2,550
WARSAW PACT	13,615	9,095	0	0	10	0	0	4,480	20	0	10	0	0
AFRICA	17,810	12,795	690	125	320	420	5	1,080	1,040	435	205	380	315
Algeria [#]	2,490	2,000	20	0	0	10	0	430	30	0	0	0	0
Angola	4,630	4,100	0	0	40	0	0	80	40	0	0	370	0
Benin	10	10	0	0	0	0	0	0	0	0	0	0	0
Botswana	50	0	40	0	0	0	0	0	10	0	0	0	0
Burkina Faso	40	30	0	0	0	5	0	0	0	0	5	0	0
Burundi	40	40	0	0	0	0	0	0	0	0	0	0	0
Cameroon	20	0	10	0	5	0	0	0	0	0	0	0	5
Cape Verde	10	10	0	0	0	0	0	0	0	0	0	0	0
Central African Republic	0	0	0	0	0	0	0	0	0	0	0	0	0
Chad	225	0	60	0	130	5	0	0	0	30	0	0	0
Congo	20	20	0	0	0	0	0	0	0	0	0	0	0
Equatorial Guinea	10	10	0	0	0	0	0	0	0	0	0	0	0
Ethiopia	3,130	2,900	0	0	0	90	0	60	0	0	80	0	0
Gabon [#]	45	0	5	0	40	0	0	0	0	0	0	0	0
Gambia, The	20	0	0	0	10	10	0	0	0	0	0	0	0
Ghana	65	5	0	0	0	0	0	0	30	0	0	0	30
Guinea	120	120	0	0	0	0	0	0	0	0	0	0	0
Guinea-Bissau	60	60	0	0	0	0	0	0	0	0	0	0	0
Ivory Coast	5	0	0	0	5	0	0	0	0	0	0	0	0
Kenya	200	0	50	120	0	0	0	0	30	0	0	0	0
Lesotho	0	0	0	0	0	0	0	0	0	0	0	0	0
Liberia	25	0	10	0	0	0	0	10	0	5	0	0	0
Libya [#]	3,010	2,400	0	0	0	20	0	390	190	0	5	5	0
Madagascar	80	80	0	0	0	0	0	0	0	0	0	0	0
Malawi	5	0	0	5	0	0	0	0	0	0	0	0	0
Mali	135	130	0	0	0	5	0	0	0	0	0	0	0
Mauritania	30	0	0	0	0	0	0	0	0	30	0	0	0
Mauritius	5	5	0	0	0	0	0	0	0	0	0	0	0
Morocco	790	0	210	0	50	20	0	20	480	0	10	0	0
Mozambique	560	525	0	0	0	20	0	0	5	0	0	0	10
Niger	15	0	10	0	0	0	5	0	0	0	0	0	0
Nigeria [#]	215	20	20	0	20	5	0	50	100	0	0	0	0
Rwanda	20	0	0	0	0	20	0	0	0	0	0	0	0
Sao Tome & Principe	10	10	0	0	0	0	0	0	0	0	0	0	0
Senegal	45	0	5	0	5	0	0	0	30	0	5	0	0
Sierra Leone	10	0	0	0	0	10	0	0	0	0	0	0	0
Somalia	90	0	40	0	5	5	0	10	5	10	5	0	10
South Africa*	240	0	0	0	0	0	0	0	0	240	0	0	0
Sudan	460	0	40	0	0	70	0	0	20	80	0	0	250
Swaziland	0	0	0	0	0	0	0	0	0	0	0	0	0
Tanzania	235	220	0	0	0	5	0	0	0	0	10	0	0

TABLE III. Arms Transfer Deliveries, Cumulative 1987-1991
By Major Supplier and Recipient Country — continued
(In Millions of Current Dollars)

SUPPLIER RECIPIENT	TOTAL ^a	SOVIET UNION ^b	UNITED STATES	UNITED KINGDOM	FRANCE	CHINA	WEST GERMANY ^c	OTHER WARSAW PACT	OTHER EUROPE	MIDDLE EAST	OTHER EAST ASIA	LATIN AMERICA	OTHERS
Togo	5	0	0	0	0	0	0	0	0	0	0	5	0
Tunisia	130	0	130	0	0	0	0	0	0	0	0	0	0
Uganda	200	40	10	0	0	0	0	20	20	20	80	0	10
Zaire	120	0	20	0	10	30	0	10	30	20	0	0	0
Zambia	80	60	10	0	0	10	0	0	0	0	0	0	0
Zimbabwe	105	0	0	0	0	80	0	0	20	0	5	0	0
EAST ASIA	28,890	10,470	14,235	460	220	720	190	100	1,560	520	300	10	105
Burma	545	0	5	0	0	400	20	40	50	0	20	0	10
Cambodia	1,480	1,300	0	0	0	0	0	0	0	0	180	0	0
China													
—Mainland	1,610	550	130	140	150	X	0	20	80	490	0	0	50
—Taiwan	3,880	0	3,000	0	0	0	0	0	875	0	5	0	0
Indonesia [#]	950	0	360	140	0	0	0	0	430	0	10	0	10
Japan [*]	5,260	0	5,100	140	10	0	10	0	0	0	0	0	0
Korea, North	2,375	2,300	0	0	0	40	0	5	0	0	30	0	0
Korea, South	3,045	0	3,000	20	10	0	0	5	0	10	0	0	0
Laos	425	420	0	0	0	0	0	0	0	0	5	0	0
Malaysia	230	0	130	10	20	0	0	0	10	0	30	10	20
Philippines	335	0	310	0	10	0	0	0	5	0	10	0	0
Singapore	1,005	0	900	0	20	0	50	0	30	0	0	0	5
Thailand	1,820	0	1,300	10	0	280	110	0	80	20	10	0	10
Vietnam	5,930	5,900	0	0	0	0	0	30	0	0	0	0	0
EUROPE	44,525	10,010	22,445	1,035	1,505	0	3,065	4,490	1,325	585	10	5	50
—NATO EUROPE	27,280	0	21,390	800	1,420	0	2,085	10	1,085	435	0	5	50
Belgium [*]	1,160	0	1,100	0	60	0	0	0	0	0	0	0	0
Denmark [*]	490	0	450	10	0	0	0	0	30	0	0	0	0
France [*]	1,005	0	975	0	X	0	0	0	30	0	0	0	0
Germany, West ^{*C}	3,930	0	2,800	310	290	0	X	0	90	410	0	0	30
Greece	3,045	0	1,800	0	1,000	0	180	10	40	10	0	0	5
Iceland [*]	0	0	0	0	0	0	0	0	0	0	0	0	0
Italy [*]	1,225	0	1,200	0	0	0	0	0	20	5	0	0	0
Luxembourg [*]	70	0	70	0	0	0	0	0	0	0	0	0	0
Netherlands [*]	2,300	0	2,200	0	0	0	50	0	50	0	0	0	0
Norway [*]	1,600	0	725	30	0	0	270	0	575	0	0	0	0
Portugal [*]	1,020	0	270	0	0	0	750	0	0	0	0	0	0
Spain	3,400	0	2,900	200	70	0	10	0	200	10	0	5	5
Turkey	4,835	0	3,700	250	0	0	825	0	50	0	0	0	10
United Kingdom [*]	3,200	0	3,200	X	0	0	0	0	0	0	0	0	0
—WARSAW PACT (Fmr)	13,615	9,095	0	0	10	0	0	4,480	20	0	10	0	0
Bulgaria	1,990	1,800	0	0	0	0	0	180	10	0	0	0	0
Czechoslovakia [*]	1,930	1,900	0	0	0	0	0	30	0	0	0	0	0
Germany (Fmr) East ^{*C}	2,210	1,900	0	0	0	0	0	310	0	0	0	0	0
Hungary [*]	550	420	0	0	0	0	0	120	0	0	10	0	0
Poland [*]	2,570	2,400	0	0	0	0	0	170	0	0	0	0	0
Romania [*]	755	675	0	0	10	0	0	70	0	0	0	0	0
Soviet Union (Fmr) [*]	3,610	X	0	0	0	0	0	3,600	10	0	0	0	0

TABLE III. Arms Transfer Deliveries, Cumulative 1987-1991
By Major Supplier and Recipient Country — continued
(In Millions of Current Dollars)

SUPPLIER \ RECIPIENT	TOTAL ^a	SOVIET UNION ^b	UNITED STATES	UNITED KINGDOM	FRANCE	CHINA	WEST GERMANY ^c	OTHER WARSAW PACT	OTHER EUROPE	MIDDLE EAST	OTHER EAST ASIA	LATIN AMERICA	OTHERS
—OTHER EUROPE	3,630	915	1,055	235	75	0	980	0	220	150	0	0	0
Albania	0	0	0	0	0	0	0	0	0	0	0	0	0
Austria*	215	0	70	0	5	0	0	0	140	0	0	0	0
Finland*	325	240	50	5	20	0	0	0	10	0	0	0	0
Ireland*	40	0	20	10	0	0	0	0	10	0	0	0	0
Malta	5	0	5	0	0	0	0	0	0	0	0	0	0
Sweden*	580	0	330	20	20	0	30	0	40	140	0	0	0
Switzerland*	1,680	0	480	200	30	0	950	0	10	10	0	0	0
Yugoslavia	785	675	100	0	0	0	0	0	10	0	0	0	0
LATIN AMERICA	13,310	8,060	1,870	225	775	0	485	95	475	945	80	200	100
Argentina	580	0	50	0	30	0	230	0	80	150	0	40	0
Barbados	20	0	20	0	0	0	0	0	0	0	0	0	0
Bolivia	20	0	10	0	0	0	0	0	10	0	0	0	0
Brazil	765	0	270	20	170	0	200	0	60	40	5	0	0
Chile	590	0	5	20	170	0	20	0	40	310	10	5	10
Colombia	470	0	130	30	0	0	0	0	20	290	0	0	0
Costa Rica	5	0	5	0	0	0	0	0	0	0	0	0	0
Cuba	6,550	6,500	0	0	0	0	0	10	0	0	40	0	0
Dominican Republic	15	0	10	0	5	0	0	0	0	0	0	0	0
Ecuador [#]	180	0	60	60	20	0	0	0	20	10	0	0	10
El Salvador	280	0	280	0	0	0	0	0	0	0	0	0	0
Guatemala	35	0	30	0	0	0	0	0	0	5	0	0	0
Guyana	20	0	20	0	0	0	0	0	0	0	0	0	0
Haiti	5	0	0	0	0	0	0	0	0	0	0	5	0
Honduras	160	0	160	0	0	0	0	0	0	0	0	0	0
Jamaica	10	0	10	0	0	0	0	0	0	0	0	0	0
Mexico	535	0	410	5	10	0	0	0	30	0	0	0	80
Nicaragua	1,495	1,400	0	0	0	0	0	80	0	0	10	5	0
Panama	45	0	20	0	0	0	0	0	10	10	0	5	0
Paraguay	35	0	20	0	0	0	0	0	0	0	5	10	0
Peru	705	160	40	0	240	0	30	5	90	30	10	100	0
Suriname	0	0	0	0	0	0	0	0	0	0	0	0	0
Trinidad & Tobago	0	0	0	0	0	0	0	0	0	0	0	0	0
Uruguay	50	0	10	0	20	0	5	0	5	0	0	10	0
Venezuela [#]	740	0	310	90	110	0	0	0	110	100	0	20	0
MIDDLE EAST	78,750	19,565	14,225	16,875	7,275	7,465	1,100	3,935	2,890	880	1,980	2,005	555
Bahrain	770	0	500	0	50	0	200	0	0	20	0	0	0
Cyprus	140	0	0	0	120	0	0	0	20	0	0	0	0
Egypt [†]	4,235	625	2,600	20	360	120	20	120	130	0	0	220	20
Iran [#]	8,815	2,100	0	260	100	2,600	70	975	750	20	1,700	140	100
Iraq [#]	16,265	7,400	5	20	2,700	1,700	70	2,100	850	250	30	900	240
Israel	5,040	0	5,000	0	0	0	40	0	0	0	0	0	0
Jordan	1,100	390	300	70	80	20	10	50	90	50	0	20	20
Kuwait [#]	1,180	240	150	90	60	0	0	0	170	470	0	0	0
Lebanon	35	0	30	0	0	0	0	0	0	0	0	0	5
Oman	240	0	60	110	0	0	70	0	0	0	0	0	0
Qatar [#]	65	0	10	0	5	0	0	0	0	0	0	50	0
Saudi Arabia [#]	29,740 ^e	390	5,100	16,300	2,400	3,000	525	310	800	0	100	675	140

TABLE III. Arms Transfer Deliveries, Cumulative 1987-1991
By Major Supplier and Recipient Country — continued
(In Millions of Current Dollars)

RECIPIENT \ SUPPLIER	TOTAL ^a	SOVIET UNION ^b	UNITED STATES	UNITED KINGDOM	FRANCE	CHINA	WEST GERMANY ^c	OTHER WARSAW PACT	OTHER EUROPE	MIDDLE EAST	OTHER EAST ASIA	LATIN AMERICA	OTHERS
Syria	5,955	5,500	0	0	0	5	0	350	20	20	60	0	0
United Arab Emirates [#]	2,175	20	450	5	1,400	20	90	0	60	20	90	0	20
Yemen (Aden)	1,400	1,400	0	0	0	0	0	0	0	0	0	0	0
Yemen (Sanaa)	1,595	1,500	20	0	0	0	5	30	0	30	0	0	10
NORTH AMERICA	11,165	0	775	3,200	775	30	1,100	5	1,370	1,010	320	80	2,500
Canada*	855	0	775	0	0	0	0	0	70	10	0	0	0
United States*	10,310	0	X	3,200	775	30	1,100	5	1,300	1,000	320	80	2,500
OCEANIA	3,465	0	3,040	15	0	0	30	0	220	10	20	0	130
Australia*	3,135	0	2,900	5	0	0	20	0	190	10	0	0	10
Fiji	0	0	0	0	0	0	0	0	0	0	0	0	0
New Zealand*	230	0	140	10	0	0	10	0	30	0	20	0	20
Papua New Guinea	100	0	0	0	0	0	0	0	0	0	0	0	100
SOUTH ASIA	28,795	23,450	1,025	340	480	880	390	380	1,585	30	175	10	50
Afghanistan	13,210	13,200	0	0	0	0	0	10	0	0	0	0	0
Bangladesh	270	50	10	0	0	190	0	0	5	0	5	0	10
India	13,250	10,200	180	310	450	0	370	340	1,300	0	100	0	0
Nepal	30	0	0	0	0	20	0	0	0	0	0	0	10
Pakistan	1,895	0	825	30	30	600	20	30	270	0	50	10	30
Sri Lanka	140	0	10	0	0	70	0	0	10	30	20	0	0

0 Nil or negligible (\$2.5 million or less).

* Developed country (all others are "developing").

OPEC country.

X Not applicable.

NOTE: To avoid the appearance of excessive accuracy, the entries in this table are independently rounded, with greater severity for larger numbers. Totals here are the sum of the rounded components.

^a Comparable totals in tables III and IV do not agree precisely due to the fact that rounding was done at different stages of aggregation.

^b Estimates of the Soviet Union's arms exports in value terms in this and the previous three editions are revised and substantially larger than those shown in earlier editions. See Statistical Notes, Arms Transfers.

^c Unified Germany as of 1991 is shown under West Germany; data for East Germany are for the period 1987-1990.

^d Includes transfers to NATO agencies as such and not attributed to any recipient country.

^e Includes major equipment purchased by the U.S. Army Corps of Engineers for use in military construction projects in Saudi Arabia, recorded in U.S. accounts as imports to the U.S. These purchases, not attributable to individual supplier countries, are included under "others".

**TABLE IV. Arms Transfer Deliveries and Agreements, 1981-1991
By Supplier and Recipient Region**

(In Billions of Current Dollars)

SUPPLIER \ RECIPIENT	World ^a	Soviet Union ^b	United States	France	United Kingdom	China	West Germany	Other Warsaw Pact	Other Europe	Middle East	Other East Asia	Latin America	Others
DELIVERIES													
World			^c										
1981	44.6	17.8	8.6	4.2	2.8	0.4	1.6	2.7	3.5	1.1	1.1	0.2	0.7
1982	49.3	18.9	9.3	3.8	3.3	1.3	1.0	3.3	3.8	.8	1.8	.8	1.2
1983	50.1	19.4	11.6	4.1	1.8	1.6	2.1	3.2	3.8	.3	1.0	.2	1.0
1984	56.3	19.4	10.6	5.9	2.1	2.1	3.0	3.6	5.4	.8	1.4	.8	1.2
1985	50.5	17.3	11.1	7.0	1.6	.7	1.4	4.6	3.9	.9	.7	.5	1.0
1986	50.4	21.4	9.2	4.4	3.3	1.3	1.2	4.1	2.8	.9	.6	.3	.7
1987	58.4	21.8	14.2	2.8	4.8	2.1	1.5	3.9	3.7	1.0	.8	.9	.8
1988	54.6	21.7	11.4	1.7	4.7	2.9	1.2	3.4	3.3	1.1	1.0	1.2	.9
1989	50.1	19.8	13.5	1.9	4.7	2.3	1.2	1.9	1.6	1.4	.6	.3	.8
1990	38.2	14.2	9.9	3.8	4.3	1.4	1.0	.4	1.4	.5	.4	.1	.8
1991	25.5	6.6	9.6	1.1	3.7	.9	1.3	.5	.5	.4	.2	.1	.5
Total	528.0	198.3	118.9	40.9	37.3	16.9	16.7	31.5	33.5	9.2	9.7	5.5	9.6
Developed			^c										
1981	9.5	2.8	4.1	0.1	0.5	0.0	0.2	1.2	0.4	0.1	—	—	0.2
1982	9.1	2.5	3.5	.2	.6	—	.2	1.2	.5	.1	—	—	.4
1983	10.6	2.1	4.7	.1	.5	0	.3	1.6	.7	.1	—	—	.4
1984	11.7	2.5	5.1	.2	.6	0	.3	1.4	.7	.1	.1	—	.6
1985	12.4	2.8	5.0	.4	.5	0	.7	1.7	.5	.2	—	—	.6
1986	12.7	3.7	4.1	.6	.8	0	.6	1.8	.4	.2	.1	—	.5
1987	11.9	2.4	4.5	.4	.8	0	.5	1.7	.7	.3	—	—	.6
1988	12.5	2.1	4.9	.5	1.0	0	.4	1.6	.7	.6	.1	—	.7
1989	12.1	1.9	6.1	.2	.7	—	.6	.9	.5	.5	.1	—	.4
1990	8.2	.9	4.4	.1	.6	—	.9	.1	.4	.1	.1	—	.4
1991	6.3	.2	3.5	.1	.7	—	.8	0	.3	.3	.1	—	.4
Total	117.0	23.8	49.7	2.8	7.4	0.0	5.5	13.1	5.9	2.6	0.6	0.2	5.3
Developing													
1981	35.1	15.0	4.5	4.1	2.4	0.4	1.4	1.5	3.1	1.0	1.0	0.2	0.4
1982	40.1	16.4	5.8	3.7	2.7	1.3	.8	2.1	3.3	.7	1.8	.7	.9
1983	39.5	17.3	6.9	4.0	1.3	1.6	1.7	1.7	3.1	.3	1.0	.2	.6
1984	44.6	17.0	5.5	5.7	1.4	2.1	2.7	2.2	4.7	.7	1.3	.8	.6
1985	38.1	14.5	6.1	6.7	1.1	.7	.7	2.8	3.4	.6	.7	.5	.3
1986	37.6	17.8	5.1	3.9	2.5	1.3	.6	2.3	2.3	.7	.6	.3	.2
1987	46.4	19.4	9.8	2.4	3.9	2.1	1.0	2.3	3.0	.6	.7	.9	.3
1988	42.1	19.6	6.5	1.3	3.7	2.9	.8	1.8	2.6	.5	.9	1.2	.2
1989	38.0	17.8	7.4	1.8	4.0	2.2	.7	1.0	1.1	.8	.5	.3	.3
1990	30.1	13.3	5.5	3.7	3.7	1.4	.1	.3	1.0	.4	.3	.1	.3
1991	19.2	6.4	6.2	1.0	3.0	.9	.5	.5	.1	.2	.2	.1	.1
Total	411.1	174.5	69.2	38.1	29.8	16.9	11.2	18.4	27.6	6.5	9.1	5.4	4.3

**TABLE IV. Arms Transfer Deliveries and Agreements, 1981-1991
By Supplier and Recipient Region — continued**

(In Billions of Current Dollars)

SUPPLIER RECIPIENT	World ^a	Soviet Union ^b	United States	France	United Kingdom	China	West Germany	Other Warsaw Pact	Other Europe	Middle East	Other East Asia	Latin America	Others
DELIVERIES - Continued													
Africa													
1981	7.8	4.5	0.2	0.6	0.2	—	0.6	0.5	0.8	0.1	0.2	—	0.1
1982	7.4	3.6	.2	.9	.2	.4	.2	.7	.5	.1	.5	—	.1
1983	6.9	4.1	.4	.4	.1	—	.1	.8	.7	—	.2	—	—
1984	7.7	4.9	.4	.4	.3	—	.1	.6	.6	.1	.1	—	—
1985	5.3	3.2	.3	.4	.2	—	.1	.4	.5	—	.1	—	.1
1986	4.6	3.1	.2	.3	—	—	.1	.5	.2	—	.1	.1	—
1987	5.6	3.9	.2	.2	—	.1	—	.4	.6	.1	.1	.1	—
1988	5.0	3.5	.2	.1	.1	.1	—	.4	.2	.1	.1	.3	.1
1989	4.2	3.3	.2	—	0	.1	—	.3	.1	.2	—	—	.1
1990	2.1	1.6	.1	—	0	.1	0	0	.1	0	—	0	.1
1991	.9	.6	.1	0	0	.1	0	—	0	.1	—	0	—
Total	57.4	36.2	2.3	3.3	1.0	1.0	1.1	4.7	4.4	0.8	1.3	0.6	0.6
East Asia													
1981	4.4	1.5	1.9	0.1	0.2	—	0.2	—	0.4	—	0.2	0.0	—
1982	4.7	1.9	1.6	.1	—	.2	—	—	.4	—	.2	.1	—
1983	4.7	1.8	2.1	.1	.1	—	.1	.2	.3	—	.1	0	—
1984	5.4	2.0	2.1	.1	.2	—	.2	.1	.3	.3	.1	0	0.1
1985	5.9	2.3	2.5	.1	.2	—	.1	0	.4	.3	.1	—	—
1986	5.8	2.9	2.2	.1	.1	—	—	—	.1	.3	—	0	—
1987	7.5	3.0	3.1	—	.2	—	.1	—	.6	.3	.1	—	.1
1988	6.9	2.8	2.8	—	.2	.1	.1	—	.7	.1	.1	0	—
1989	6.1	2.5	3.2	—	.1	—	.1	—	.1	.1	—	0	—
1990	4.6	1.6	2.8	.1	—	.1	0	—	—	.1	—	0	0
1991	3.7	.5	2.5	—	0	.5	0	—	.1	—	—	0	0
Total	59.7	22.7	26.7	0.7	1.3	1.0	0.8	0.4	3.3	1.5	1.0	0.1	0.3
Europe, All													
1981	8.7	3.3	2.9	0.3	0.2	0.0	0.3	1.2	0.4	—	0.0	0.0	—
1982	8.8	3.1	2.9	.3	.2	—	.4	1.3	.5	—	0	—	—
1983	10.0	3.0	3.5	.2	.2	0	.7	1.6	.7	.1	0	—	0
1984	9.8	3.2	3.7	.1	.3	0	.4	1.4	.5	.1	0	—	—
1985	10.1	3.6	3.4	.1	.2	0	.5	1.8	.2	.1	—	—	.1
1986	11.2	4.8	2.9	.2	.3	0	.6	2.0	.2	.1	0	—	—
1987	11.2	3.6	3.8	.3	.5	0	.7	1.8	.5	.1	0	—	—
1988	10.3	2.5	4.4	.5	.2	0	.5	1.6	.5	.1	—	0	—
1989	11.9	2.3	6.5	.7	.1	0	.7	.9	.3	.3	0	0	—
1990	6.8	1.5	4.3	0	.2	0	.6	.1	.1	—	0	0	—
1991	4.1	.2	3.3	0	—	0	.6	0	—	—	0	0	0
Total	102.8	31.0	41.5	2.7	2.6	0.0	6.0	13.6	4.0	1.0	0.0	0.0	0.2

**TABLE IV. Arms Transfer Deliveries and Agreements, 1981-1991
By Supplier and Recipient Region — continued**

(In Billions of Current Dollars)

SUPPLIER RECIPIENT	World ^a	Soviet Union ^b	United States	France	United Kingdom	China	West Germany	Other Warsaw Pact	Other Europe	Middle East	Other East Asia	Latin America	Others
DELIVERIES - Continued													
—NATO Europe													
1981	3.7	0.0	2.7	0.3	—	0.0	0.3	0.0	0.3	—	0.0	0.0	—
1982	4.0	0	2.7	.3	.1	0	.4	.1	.3	0	0	—	—
1983	4.3	0	3.1	.2	.1	0	.7	0	.2	—	0	—	0
1984	4.0	0	3.3	.1	.1	0	.3	0	.1	0	0	—	—
1985	3.7	.1	3.0	.1	—	0	.2	—	.1	—	—	—	.1
1986	3.6	0	2.7	.1	.2	0	.4	—	.2	—	0	—	—
1987	5.3	0	3.6	.3	.5	0	.5	—	.4	.1	0	—	—
1988	5.6	0	4.2	.4	.2	0	.2	0	.4	.1	0	0	—
1989	7.9	0	6.3	.7	.1	0	.4	0	.2	.2	0	0	—
1990	4.6	0	4.1	0	—	0	.4	0	.1	—	0	0	—
1991	3.7	0	3.1	0	0	0	.6	0	—	—	0	0	—
Total	50.4	0.1	38.8	2.5	1.3	0.0	4.4	0.1	2.4	0.6	0.0	0.0	0.2
—Warsaw Pact													
1981	4.5	3.2	0.0	—	0.1	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0
1982	4.2	2.9	0	—	—	—	0	1.2	0	0	0	0	0
1983	4.8	2.7	0	—	0	0	0	1.6	.5	0	0	0	0
1984	4.9	3.1	0	0	0	0	0	1.4	.4	0	0	0	—
1985	5.4	3.5	0	0	0	0	—	1.8	—	0	0	0	0
1986	6.6	4.6	0	—	0	0	0	2.0	0	0	0	0	0
1987	4.6	2.8	0	—	0	0	0	1.8	—	0	0	0	0
1988	4.0	2.4	0	0	0	0	0	1.6	—	0	—	0	0
1989	3.2	2.2	0	0	0	0	0	.9	0	0	0	0	0
1990	1.6	1.5	0	0	0	0	0	.1	0	0	0	0	0
1991	.2	.2	0	0	0	0	0	0	0	0	0	0	0
Total	44.0	29.2	0.0	0.0	0.1	0.0	0.0	13.7	0.9	0.0	0.0	0.0	0.0
—Other Europe													
1981	0.5	0.1	0.2	—	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
1982	.6	.2	.1	0	.1	0	0	0	.1	—	0	0	0
1983	.8	.2	.4	—	.1	0	0	0	—	.1	0	0	0
1984	.9	.1	.4	0	.2	0	.1	0	—	.1	0	0	0
1985	1.0	.1	.3	0	.2	0	.3	0	.1	.1	0	0	0
1986	.9	.2	.2	—	.2	0	.2	0	.1	.1	0	0	0
1987	1.2	.8	.2	—	—	0	.2	0	—	0	0	0	0
1988	.7	.1	.2	.1	—	0	.2	0	.1	—	0	0	0
1989	.9	.1	.2	—	.1	0	.3	0	.1	.1	0	0	0
1990	.7	0	.3	0	.1	0	.3	0	—	—	0	0	0
1991	.2	0	.2	0	—	0	0	0	0	0	0	0	0
Total	8.4	1.7	2.7	0.1	1.2	0.0	1.6	0.0	0.7	0.5	0.0	0.0	0.0

**TABLE IV. Arms Transfer Deliveries and Agreements, 1981-1991
By Supplier and Recipient Region — continued**

(In Billions of Current Dollars)

SUPPLIER RECIPIENT	World ^a	Soviet Union ^b	United States	France	United Kingdom	China	West Germany	Other Warsaw Pact	Other Europe	Middle East	Other East Asia	Latin America	Others
DELIVERIES - Continued													
Latin America													
1981	3.7	1.8	0.1	0.6	0.1	0.0	0.1	—	0.6	0.2	—	0.1	—
1982	3.6	1.8	.2	.3	.1	0	.1	.1	.5	.3	.1	.2	—
1983	3.5	1.7	.2	.1	—	0	.9	—	.4	.1	—	.1	0
1984	4.3	1.7	.4	—	—	0	1.2	—	.4	.1	.1	.2	0
1985	3.9	1.4	.5	.1	—	0	.2	1.3	.1	.2	.1	.1	0
1986	3.3	2.1	.3	.2	—	0	.1	.1	.2	.2	—	.1	—
1987	3.8	2.3	.6	.4	—	—	0	—	.1	.1	—	.1	—
1988	3.4	2.2	.4	.1	.1	0	.4	—	.1	.1	—	—	0
1989	2.8	1.6	.4	.1	—	—	0	—	.1	.3	—	—	—
1990	2.4	1.4	.3	.1	.1	—	0	0	.1	.3	—	—	—
1991	1.0	.5	.2	.1	0	0	0	0	0	.1	0	—	0
Total	35.5	18.6	3.6	2.1	0.5	0.0	3.1	1.6	2.7	2.0	0.4	0.8	0.1
Middle East													
1981	16.0	5.1	2.5	2.5	1.7	0.3	0.3	0.9	1.1	0.7	0.6	0.1	0.3
1982	19.1	6.4	3.7	1.9	1.1	.5	.2	1.2	1.6	.3	1.0	.4	.8
1983	20.7	7.3	4.2	3.3	1.0	1.4	.2	.6	1.4	.1	.6	.1	.5
1984	23.8	6.0	2.5	5.0	.6	1.9	.9	1.3	3.2	.2	1.1	.6	.4
1985	18.4	4.7	2.8	5.4	.4	.7	.1	.8	2.2	.1	.4	.5	.2
1986	17.4	5.4	2.3	2.4	2.2	1.1	.2	1.3	1.7	.1	.5	.2	.1
1987	22.1	6.1	5.4	1.2	3.3	1.9	.3	1.5	1.0	.1	.4	.7	.1
1988	17.9	4.9	2.1	.7	3.3	2.6	—	1.3	.9	.3	.7	.9	.1
1989	14.0	3.1	2.0	1.0	3.8	1.9	.2	.6	.3	.4	.4	.3	.1
1990	14.3	3.1	1.6	3.5	3.5	1.0	—	.2	.7	.1	.3	.1	.2
1991	10.5	2.1	3.1	.9	3.0	.3	.5	.3	0	0	.2	.1	.1
Total	194.1	54.3	32.1	27.9	23.9	13.4	3.0	10.2	14.1	2.4	6.2	3.8	3.0
North America													
1981	1.2	0.0	0.4	0.1	0.2	0.0	0.1	0.0	0.2	—	—	—	0.2
1982	1.4	0	.2	.1	.4	0	.1	0	.3	—	—	—	.3
1983	1.4	0	.3	—	.3	0	.1	0	.2	—	—	—	.4
1984	1.9	0	.3	.2	.3	0	.1	0	.2	—	.1	—	.6
1985	1.9	0	.1	.3	.3	0	.1	0	.3	.1	—	—	.5
1986	2.0	0	.1	.4	.4	0	.2	0	.3	.1	.1	—	.5
1987	2.4	0	.1	.3	.6	0	.2	0	.3	.2	—	—	.6
1988	2.9	0	.2	.3	.8	0	.2	0	.3	.4	—	—	.7
1989	1.8	0	.2	—	.6	—	.2	0	.2	.1	.1	—	.4
1990	1.9	0	.1	.1	.5	—	.3	0	.2	.1	.1	—	.4
1991	2.1	0	.2	.1	.7	—	.2	0	.3	.2	.1	—	.4
Total	21.0	0.0	2.3	1.8	5.1	0.0	1.8	0.0	2.9	1.4	0.6	0.1	5.1

**TABLE IV. Arms Transfer Deliveries and Agreements, 1981-1991
By Supplier and Recipient Region — continued**

(In Billions of Current Dollars)

SUPPLIER RECIPIENT	World ^a	Soviet Union ^b	United States	France	United Kingdom	China	West Germany	Other Warsaw Pact	Other Europe	Middle East	Other East Asia	Latin America	Others
DELIVERIES - Continued													
Oceania													
1981	0.6	0.0	0.5	0.0	—	0.0	0.0	0.0	—	0.0	0.0	0.0	—
1982	.2	0	.2	0	—	0	—	0	0	0	0	0	0
1983	.5	0	.4	0	0	0	—	0	0	0	0	0	—
1984	.6	0	.5	—	—	0	—	0	0	0	0	0	—
1985	1.0	0	.9	—	—	0	—	0	—	—	0	0	—
1986	1.0	0	.8	—	.1	0	—	0	—	0	0	0	0
1987	.8	0	.7	0	—	0	—	0	—	0	0	0	—
1988	1.2	0	1.1	0	—	0	—	0	.1	0	—	0	—
1989	.9	0	.7	0	—	0	—	0	.1	—	0	0	.1
1990	.3	0	.3	0	0	0	0	0	—	0	0	0	—
1991	.2	0	.2	0	0	0	0	0	—	0	0	0	0
Total	7.4	0.0	6.4	0.0	0.3	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.2
South Asia													
1981	2.1	1.5	0.1	0.1	0.1	0.1	—	0.1	—	0.0	—	0.0	0.0
1982	4.1	2.1	.1	.3	1.4	.1	—	—	—	—	—	0	—
1983	2.3	1.6	.3	—	.2	.1	—	—	.1	0	0	—	0
1984	2.6	1.6	.5	—	.2	.1	.0	—	.1	0	—	0	0
1985	3.8	2.1	.3	.7	.3	—	.2	.2	.1	—	—	0	—
1986	4.9	3.2	.2	.9	.1	.1	—	.2	.1	0	—	0	—
1987	4.8	3.0	.2	.4	.1	.1	.2	.1	.6	—	—	0	0
1988	6.8	5.8	.1	—	—	.2	—	.1	.5	—	—	—	—
1989	8.3	6.9	.3	0	.2	.3	.1	.1	.4	—	.1	0	0
1990	5.8	5.0	.4	—	—	.2	—	—	—	0	—	0	—
1991	2.9	2.7	—	0	0	.1	0	.1	—	0	—	0	0
Total	48.6	35.4	2.5	2.5	2.6	1.5	0.7	0.9	2.0	0.1	0.3	0.0	0.1

**TABLE IV. Arms Transfer Deliveries and Agreements, 1981-1991
By Supplier and Recipient Region — continued**

(In Billions of Current Dollars)

SUPPLIER RECIPIENT	World ^a	Soviet Union ^b	United States	France	United Kingdom	China	West Germany	Other Warsaw Pact	Other Europe	Middle East	Other East Asia	Latin America	Others
AGREEMENTS													
World			^c										
1981	48.9	17.0	7.3	1.9	1.6	3.0	2.2	4.1	6.2	1.3	2.5	0.9	0.8
1982	61.6	24.2	14.8	6.7	1.9	1.8	2.0	3.3	3.5	1.0	1.0	.3	1.1
1983	44.9	9.7	15.3	1.8	1.2	.8	3.0	3.3	4.6	1.8	.9	.9	1.4
1984	58.4	24.6	14.8	7.0	1.5	.3	1.1	2.7	3.5	.4	.6	.8	1.1
1985	71.2	21.7	12.5	3.4	19.8	1.4	.4	4.5	4.6	.6	.8	.4	1.0
1986	57.7	28.2	8.4	2.3	1.7	1.8	1.0	6.1	4.9	.4	.5	1.5	.8
1987	58.7	23.4	9.7	4.1	3.0	4.7	1.3	3.2	5.6	1.0	1.0	.6	1.2
1988	44.2	14.9	13.5	2.3	1.8	2.1	.9	2.4	1.9	1.8	1.3	.4	.8
1989	53.5	14.9	15.9	4.3	2.0	1.6	6.9	1.2	3.1	.8	.8	.4	1.6
1990	40.6	11.7	14.1	3.5	2.5	2.1	.6	.5	2.8	.4	1.0	.2	1.1
1991	32.3	5.0	18.7	.7	2.7	.4	1.1	.8	1.0	.3	.4	.3	.8
Total	573.6	197.0	145.2	38.0	39.7	20.1	20.6	32.2	41.7	9.9	10.7	6.7	11.8
Developed			^c										
1981	10.2	2.8	3.7	0.1	0.2	0.0	0.2	1.2	1.6	0.1	—	0.1	0.3
1982	11.1	2.6	5.0	.1	.5	—	.4	1.2	.6	.3	—	—	.3
1983	13.0	2.1	5.6	.1	.3	0	2.4	1.5	.5	—	—	—	.4
1984	11.8	2.6	5.3	.3	.5	0	.2	1.6	.5	.1	.1	—	.8
1985	15.1	3.8	5.8	.7	.5	—	.2	1.7	1.3	.2	—	.1	.6
1986	13.0	3.5	4.2	.5	.5	0	.4	1.7	1.3	.1	.1	—	.6
1987	17.3	2.2	4.2	.7	2.4	0	.5	1.7	4.0	.6	.1	—	.9
1988	11.8	2.0	4.2	.9	.9	0	.2	1.5	.7	.6	—	—	.7
1989	17.5	3.0	5.3	.2	.8	—	.4	.8	1.0	.4	.1	.2	.1
1990	7.8	0	5.0	.2	.8	—	.3	.1	.5	.3	.1	—	.4
1991	6.7	0	4.0	.2	.7	—	.7	0	.3	.2	.1	.2	.4
Total	135.4	24.6	52.3	4.0	8.2	0.0	9.9	13.1	12.4	3.0	0.6	0.7	6.6
Developing													
1981	38.7	14.2	3.7	1.8	1.4	3.0	2.0	2.9	4.5	1.2	2.5	0.8	0.6
1982	50.5	21.6	9.8	6.6	1.4	1.8	1.5	2.1	2.9	.7	.9	.3	.8
1983	31.9	7.6	9.7	1.7	.9	.8	.6	1.8	4.1	1.8	.9	.9	1.0
1984	46.6	22.0	9.6	6.7	.9	.3	.9	1.2	3.0	.4	.5	.8	.2
1985	56.1	17.9	6.7	2.7	19.8	1.4	.2	2.8	3.2	.3	.8	.3	.4
1986	44.7	26.3	4.2	1.7	1.2	1.8	.6	4.4	3.6	.3	.4	1.5	.3
1987	41.3	21.1	5.5	3.4	.6	4.7	.8	1.5	1.6	.4	.9	.6	.3
1988	32.5	12.9	9.3	1.4	.9	2.1	.7	1.0	1.3	1.2	1.3	.4	.1
1989	36.0	11.8	10.6	4.0	1.2	1.6	2.5	.3	2.0	.3	.7	.2	.5
1990	32.8	11.7	9.1	3.3	1.7	2.1	.3	.4	2.3	.2	.9	.2	.6
1991	25.6	5.0	14.7	.5	2.0	.4	.4	.8	.7	.1	.3	.1	.4
Total	438.2	172.3	92.3	34.0	31.5	20.1	10.7	19.1	29.4	6.9	10.1	6.0	5.2

**TABLE IV. Arms Transfer Deliveries and Agreements, 1981-1991
By Supplier and Recipient Region — continued**

(In Billions of Current Dollars)

SUPPLIER RECIPIENT	World ^a	Soviet Union ^b	United States	France	United Kingdom	China	West Germany	Other Warsaw Pact	Other Europe	Middle East	Other East Asia	Latin America	Others
AGREEMENTS - Continued													
Africa													
1981	8.3	4.9	0.1	0.3	0.2	0.3	0.1	1.0	0.6	0.1	0.5	—	—
1982	4.1	1.3	.4	.2	.5	—	—	.9	.5	.1	.1	—	.1
1983	4.5	2.1	.3	.2	.0	—	.3	.5	.8	.1	—	.1	.1
1984	4.1	2.4	.3	.1	.1	.1	—	.3	.6	.1	—	—	—
1985	5.2	3.3	.2	.5	.1	—	—	.2	.6	.1	.1	—	—
1986	7.0	4.7	.2	.1	—	—	0	1.0	.6	.1	—	.2	—
1987	6.5	5.5	.2	.3	—	.1	—	.1	.1	.1	.1	—	—
1988	5.5	4.0	.2	—	.1	.1	—	.1	.3	.1	.2	.3	.1
1989	5.0	2.9	.1	.1	.1	.3	—	.1	.7	.2	.1	.1	.2
1990	1.2	.6	.1	.2	0	—	—	0	—	.1	—	—	.1
1991	.8	0	.2	0	0	.1	0	.1	—	—	.1	0	.1
Total	52.2	31.7	2.4	2.0	1.3	1.2	0.5	4.4	4.9	0.9	1.3	0.8	0.9
East Asia													
1981	5.5	1.5	1.8	—	0.2	0.0	0.5	—	1.0	—	0.3	—	—
1982	5.6	1.9	2.3	—	—	.3	.2	.1	.5	—	.1	.1	—
1983	6.0	1.8	2.5	—	—	0	—	.1	.1	1.4	—	0	—
1984	4.9	1.9	2.1	.1	.4	—	.1	.1	.1	0	.1	—	—
1985	7.0	3.1	3.2	.1	.2	—	—	—	.2	—	—	0	—
1986	5.6	2.5	2.4	—	.2	—	.3	—	.1	0	—	0	.1
1987	8.0	3.7	2.9	.1	—	.1	.6	—	.1	0	.2	—	—
1988	6.2	2.7	2.7	—	.2	.3	0	—	.1	—	.1	0	—
1989	5.9	1.9	3.2	—	.3	.3	.1	0	—	—	—	0	—
1990	7.5	1.6	3.6	.2	1.1	.6	—	.1	.2	—	—	0	.1
1991	5.3	1.2	3.5	.3	0	—	0	0	.1	0	—	0	.2
Total	67.4	23.8	30.1	1.0	2.7	1.7	1.9	0.4	2.7	1.5	1.0	0.1	0.5
Europe, All													
1981	9.5	3.3	2.4	0.1	—	0.0	0.4	1.2	2.0	—	0.0	0.1	—
1982	8.5	3.0	2.3	—	.1	—	1.2	1.3	.3	.3	0	—	0
1983	15.0	3.0	7.5	—	.2	0	2.4	1.5	.3	—	0	0	—
1984	13.5	3.4	7.3	.3	.2	0	.2	1.6	.3	—	0	—	.2
1985	14.2	4.6	4.5	1.6	.1	0	.1	1.8	1.2	.1	—	.1	.1
1986	11.4	4.9	2.9	.6	.4	0	.3	1.9	.3	.0	0	0	—
1987	10.5	3.0	3.2	.4	.5	0	.4	1.8	.5	.4	—	—	.3
1988	8.4	2.4	2.7	.6	.1	0	.5	1.5	.3	.1	0	0	0
1989	12.7	3.4	5.0	.2	.3	0	1.7	.8	.7	.3	0	.2	.1
1990	5.0	.6	3.5	.3	.3	0	—	.1	.2	—	0	0	0
1991	4.0	0	2.9	.2	—	0	.5	0	—	.1	0	.2	0
Total	112.9	31.7	44.2	4.3	2.3	0.0	7.7	13.7	6.3	1.3	0.0	0.6	0.8

**TABLE IV. Arms Transfer Deliveries and Agreements, 1981-1991
By Supplier and Recipient Region — continued**

(In Billions of Current Dollars)

SUPPLIER \ RECIPIENT	World ^a	Soviet Union ^b	United States	France	United Kingdom	China	West Germany	Other Warsaw Pact	Other Europe	Middle East	Other East Asia	Latin America	Others
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AGREEMENTS - Continued

—NATO Europe

1981	3.3	0.0	2.0	0.1	0.0	0.0	0.4	0.0	0.7	0.0	0.0	0.1	—
1982	3.6	0	2.2	—	.1	0	1.2	.1	.1	0	0	—	0
1983	7.8	0	7.4	0	.2	0	.2	0	—	—	0	0	—
1984	8.1	—	7.0	.3	.2	0	.2	0	.2	—	0	—	.2
1985	7.3	—	4.2	1.5	—	0	—	—	1.0	.1	—	.1	.1
1986	4.3	0	2.7	.5	.4	0	.3	—	.3	0	0	0	—
1987	4.7	0	2.9	.3	.2	0	.2	0	.4	.3	0	—	.3
1988	3.7	0	2.6	.2	.1	0	.5	0	.3	—	0	0	0
1989	8.0	0	4.7	.2	.2	0	1.7	0	.5	.3	0	.2	.1
1990	3.9	0	3.2	.3	.2	0	—	0	.2	—	0	0	0
1991	3.8	0	2.7	.2	—	0	.5	0	0	.1	0	.2	0
Total	58.4	0.1	41.7	3.6	1.6	0.0	5.3	0.1	3.8	0.9	0.0	0.6	0.8

—Warsaw Pact

1981	5.7	3.2	0.0	0.0	0.0	0.0	0.0	1.2	1.2	0.0	0.0	0.0	0.0
1982	4.3	2.9	0	0	0	—	0	1.2	.1	0	0	0	0
1983	4.4	2.7	0	—	0	0	0	1.5	.1	0	0	0	—
1984	4.8	3.1	0	0	0	0	—	1.6	—	0	0	0	0
1985	6.4	4.6	0	—	0	0	0	1.8	0	0	0	0	0
1986	6.1	4.2	0	0	0	0	0	1.9	—	0	0	0	0
1987	4.8	2.8	0	0	0	0	.2	1.8	0	0	—	0	0
1988	3.9	2.4	0	0	0	0	0	1.5	—	0	0	0	0
1989	4.2	3.3	0	0	0	0	0	.8	0	0	0	0	0
1990	.7	.6	0	0	0	0	0	.1	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	45.2	29.8	0.0	0.0	0.0	0.0	0.2	13.6	1.5	0.0	0.0	0.0	0.0

—Other Europe

1981	0.6	0.1	0.4	—	—	0.0	0.0	0.0	0.1	—	0.0	0.0	0.0
1982	.6	.1	.1	0	.1	0	0	0	.1	.3	0	0	0
1983	2.8	.2	.2	—	—	0	2.2	0	.2	0	0	0	0
1984	.6	.2	.3	0	—	0	—	0	—	0	0	0	0
1985	.5	—	.3	—	—	0	—	0	.2	—	0	0	0
1986	1.1	.8	.2	—	—	0	0	0	.1	0	0	0	0
1987	1.0	.2	.2	.1	.3	0	0	0	.1	—	0	0	0
1988	.9	—	.2	.5	—	0	0	0	—	.1	0	0	0
1989	.6	.1	.2	—	.1	0	0	0	.2	0	0	0	0
1990	.4	0	.3	0	.1	0	0	0	0	—	0	0	0
1991	.2	0	.2	0	0	0	0	0	—	0	0	—	0
Total	9.4	1.8	2.5	0.7	0.6	0.0	2.2	0.0	1.0	0.5	0.0	0.0	0.0

**TABLE IV. Arms Transfer Deliveries and Agreements, 1981-1991
By Supplier and Recipient Region — continued**

(In Billions of Current Dollars)

SUPPLIER \ RECIPIENT	World ^a	Soviet Union ^b	United States	France	United Kingdom	China	West Germany	Other Warsaw Pact	Other Europe	Middle East	Other East Asia	Latin America	Others
AGREEMENTS - Continued													
Latin America													
1981	3.6	2.0	0.2	0.3	0.1	0.0	—	—	0.3	0.3	0.1	0.2	—
1982	3.1	1.8	.5	—	.1	0	.1	.1	.2	.3	.1	.1	—
1983	2.2	1.4	.2	—	—	0	—	—	.2	—	—	.2	0
1984	3.4	1.7	.3	.5	—	0	.3	.1	.2	.2	—	—	0
1985	3.7	1.5	.4	—	—	0	.1	1.3	.1	.2	—	.1	—
1986	9.5	8.6	.3	—	—	0	—	.1	.3	.1	—	.1	—
1987	2.2	.5	.6	.5	.1	0	—	—	.2	.3	—	.1	—
1988	2.1	.7	.5	.4	.1	0	—	—	.1	.3	—	0	0
1989	2.2	.4	.5	.3	—	0	.3	—	.2	.2	—	.1	.1
1990	.7	0	.3	—	—	0	—	0	.2	.1	—	—	0
1991	.8	0	.2	—	.3	—	0	0	.2	—	0	.1	0
Total	33.5	18.6	4.0	2.2	0.7	0.0	0.8	1.6	2.1	2.0	0.4	1.0	0.1
Middle East													
1981	18.2	4.1	1.8	1.0	0.8	2.4	0.7	1.8	2.0	0.7	1.5	0.6	0.5
1982	30.4	13.5	5.5	4.8	.8	1.4	.3	1.0	1.6	.3	.7	—	.6
1983	13.3	.3	4.0	1.5	.2	.7	.1	1.1	2.8	.3	.8	.6	.8
1984	26.7	12.8	3.6	5.7	.3	.1	.2	.7	2.0	.1	.3	.7	.2
1985	34.3	6.4	2.9	.8	19.0	1.3	.1	.8	2.0	0	.5	.2	.3
1986	16.4	5.8	1.2	.8	.6	1.7	.1	3.1	1.3	.2	.3	1.2	.1
1987	20.6	8.7	1.8	2.3	.1	4.3	.2	1.1	.8	.1	.5	.5	.2
1988	13.7	1.3	6.3	.9	.3	1.5	.1	.6	.7	.9	1.0	.1	—
1989	12.7	.9	4.8	3.6	.6	.3	.6	.2	1.0	—	.5	—	.1
1990	16.9	3.3	5.7	2.7	.6	.9	.2	.3	1.8	.1	.9	.1	.4
1991	16.8	1.8	11.3	—	1.8	.2	.4	.6	.4	0	.2	.1	.1
Total	219.9	58.9	48.9	24.2	25.0	15.0	3.1	11.2	16.3	2.6	7.3	4.1	3.4
North America													
1981	1.3	0.0	0.5	0.1	0.2	0.0	0.1	0.0	0.2	—	—	—	0.2
1982	1.4	0	.2	.1	.4	0	.1	0	.3	—	—	—	.3
1983	1.3	0	.3	—	.3	0	.1	0	.2	—	—	—	.4
1984	2.2	0	.5	.2	.4	0	.1	0	.2	—	.1	—	.6
1985	2.1	0	.3	.3	.3	0	.1	0	.3	.1	—	—	.5
1986	2.6	0	.1	.4	.4	0	.2	0	.8	.1	.1	—	.5
1987	3.8	0	.2	.4	1.9	0	.2	0	.3	.2	—	—	.6
1988	3.0	0	.1	.3	.8	0	.2	0	.4	.4	—	—	.7
1989	1.9	0	.2	—	.6	—	.2	0	.2	.1	.1	—	.4
1990	1.9	0	.2	.1	.5	—	.3	0	.2	.1	.1	—	.4
1991	2.1	0	.2	.1	.7	—	.2	0	.3	.2	.1	—	.4
Total	23.7	0.0	2.8	2.0	6.4	0.0	1.8	0.0	3.5	1.4	0.6	0.1	5.1

**TABLE IV. Arms Transfer Deliveries and Agreements, 1981-1991
By Supplier and Recipient Region — continued**

(In Billions of Current Dollars)

RECIPIENT \ SUPPLIER	World ^a	Soviet Union ^b	United States	France	United Kingdom	China	West Germany	Other Warsaw Pact	Other Europe	Middle East	Other East Asia	Latin America	Others
AGREEMENTS - Continued													
Oceania													
1981	0.4	0.0	0.4	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
1982	2.7	0	2.5	—	—	0	—	0	0	0	0	0	—
1983	.2	0	.1	—	—	0	—	0	—	0	0	0	—
1984	.5	0	.5	0	0	0	—	0	0	—	0	0	.1
1985	.9	0	.7	0	.1	0	0	0	.1	0	0	0	0
1986	1.0	0	.8	0	—	0	0	0	.2	0	—	0	—
1987	3.9	0	.4	0	0	0	0	0	3.5	0	0	0	—
1988	.6	0	.5	0	—	0	—	0	0	—	0	0	—
1989	5.4	0	.5	—	—	0	4.0	0	.2	0	—	0	.6
1990	.5	0	.3	0	0	0	0	0	.2	.1	0	0	0
1991	.3	0	.3	0	0	0	0	0	0	0	0	0	0
Total	16.6	0.0	6.9	0.1	0.3	0.0	4.1	0.0	4.2	0.1	0.0	0.0	0.8
South Asia													
1981	2.0	1.2	0.1	0.1	—	0.3	0.4	—	—	—	—	0.0	0.0
1982	5.7	2.8	1.1	1.5	.1	.1	—	—	.1	0	—	0	—
1983	2.1	1.2	.2	0	.4	.1	.1	.1	.1	0	.1	0	—
1984	3.0	2.5	.2	.1	.1	.1	.1	—	—	0	0	0	0
1985	3.5	2.8	.2	.1	—	.1	0	.3	.1	—	—	0	—
1986	5.4	3.2	.2	.4	.1	.1	—	—	1.3	—	—	0	—
1987	3.0	2.0	.2	—	.4	.1	0	.1	.1	—	.1	—	0
1988	4.6	3.7	.4	—	.1	.2	0	.1	—	0	0	0	—
1989	7.7	5.4	1.7	0	0	.6	0	—	—	0	—	0	—
1990	6.7	5.7	.4	0	0	.5	0	—	—	0	—	0	—
1991	2.2	2.0	—	—	0	—	0	.1	.1	0	0	0	0
Total	46.0	32.2	4.6	2.2	1.1	2.1	0.7	0.9	1.8	0.1	0.3	0.0	0.1

— \$3 to 50 million.

0 Nil or negligible (less than \$3 million).

a Comparable totals in tables III and IV differ slightly due to the fact that rounding was done at different stages of aggregation. The entry in the World column in table IV exceeds the sum of the components in some rows due to certain imports by Saudi Arabia that cannot be attributed to specific suppliers. See table II, footnote g.

b The estimated dollar value of the Soviet Union's arms exports in this and the previous two editions are revised and substantially larger than those in earlier editions. For further discussion, see Statistical Notes, Arms Transfers.

c US arms transfers to the World and Developed categories include transfers to NATO agencies as such, which are not attributed to any region.

**TABLE V. Number of Arms Delivered, Cumulative 1987-1991, By Selected Supplier, ^a
Recipient Developing Region, ^b and Major Weapon Type**

EQUIPMENT TYPE	SUPPLIER	TOTAL	SOVIET UNION	OTHER WARSAW PACT	UNITED STATES ^c	FRANCE	UNITED KINGDOM	OTHER NATO	CHINA	OTHER DEVELOPED	OTHER DEVELOPING

ALL DEVELOPING RECIPIENTS ^b

LAND ARMAMENTS

Tanks	6,626	4,375	685	586	80	—	45	440	—	415
Anti-Air Artillery ^d	2,092	1,280	40	2	—	—	25	570	30	145
Field Artillery ^e	7,707	3,020	240	652	185	35	250	1,995	460	870
Armored Personnel Carriers	10,762	7,060	1,330	922	240	95	65	520	—	530

NAVAL CRAFT

Major Surface Combatants ^f	61	17	—	—	3	6	19	3	—	13
Other Surface Combatants ^g	313	57	2	13	28	14	48	33	11	107
Submarines	20	10	—	—	—	—	7	—	—	3
Missile Attack Boats	8	0	—	—	—	—	2	4	—	2

AIRCRAFT

Combat Aircraft Supersonic	1,453	495	—	408	95	65	5	180	50	155
Combat Aircraft Subsonic	240	90	—	55	—	75	—	15	—	5
Other Aircraft ^h	1,116	275	130	196	30	45	165	65	—	210
Helicopters	1,240	675	60	145	165	15	140	—	—	40

MISSILES

Surface-to-Air	15,746	10,205	410	2,026	300	570	230	395	80	1530
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AFRICA

LAND ARMAMENTS

Tanks	1,315	710	215	130	15	—	25	—	—	220
Anti-Air Artillery ^d	387	165	—	2	—	—	—	100	—	120
Field Artillery ^e	1,778	475	30	98	145	—	110	540	—	380
Armored Personnel Carriers	1,239	480	230	59	125	10	—	45	—	290

NAVAL CRAFT

Major Surface Combatants ^f	8	2	—	—	—	—	6	—	—	—
Other Surface Combatants ^g	71	17	—	—	8	2	14	13	—	17
Submarines	2	2	—	—	—	—	—	—	—	—
Missile Attack Boats	—	—	—	—	—	—	—	—	—	—

AIRCRAFT

Combat Aircraft Supersonic	155	90	—	10	—	—	—	25	—	30
Combat Aircraft Subsonic	30	10	—	—	—	10	—	10	—	—
Other Aircraft ^h	212	25	95	2	5	5	45	5	—	30
Helicopters	235	155	30	—	25	—	15	—	—	10

MISSILES

Surface-to-Air	1,690	955	—	273	150	12	—	—	—	300
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TABLE V. Number of Arms Delivered, Cumulative 1987-1991, By Selected Supplier, ^a Recipient Developing Region, ^b and Major Weapon Type — continued

EQUIPMENT TYPE	SUPPLIER	TOTAL	SOVIET UNION	OTHER WARSAW PACT	UNITED STATES ^c	FRANCE	UNITED KINGDOM	OTHER NATO	CHINA	OTHER DEVELOPED	OTHER DEVELOPING
EAST ASIA											
LAND ARMAMENTS											
Tanks		282	25	5	92	—	—	—	155	—	5
Anti-Air Artillery ^d		140	55	—	—	—	—	—	85	—	—
Field Artillery ^e		553	90	—	303	—	10	—	50	60	40
Armored Personnel Carriers		683	125	—	103	25	—	—	430	—	—
NAVAL CRAFT											
Major Surface Combatants ^f		16	—	—	—	—	—	7	2	—	7
Other Surface Combatants ^g		62	13	—	3	—	5	4	6	9	22
Submarines		4	—	—	—	—	—	2	—	—	2
Missile Attack Boats		—	—	—	—	—	—	—	—	—	—
AIRCRAFT											
Combat Aircraft Supersonic		295	60	—	195	—	—	—	10	—	30
Combat Aircraft Subsonic		35	35	—	—	—	—	—	—	—	—
Other Aircraft ^h		130	20	10	75	—	—	20	5	—	—
Helicopters		173	45	25	73	15	5	—	—	—	10
MISSILES											
Surface-to-Air		2,483	675	—	923	110	570	205	—	—	—
LATIN AMERICA											
LAND ARMAMENTS											
Tanks		443	340	—	23	40	—	—	—	—	40
Anti-Air Artillery ^d		230	165	—	—	—	—	25	—	30	10
Field Artillery ^e		353	200	—	53	40	5	25	—	—	30
Armored Personnel Carriers		444	325	—	4	20	85	—	—	—	10
NAVAL CRAFT											
Major Surface Combatants ^f		23	1	—	—	2	2	2	—	—	16
Other Surface Combatants ^g		29	15	—	10	—	—	4	—	—	—
Submarines		3	—	—	—	—	—	1	—	—	2
Missile Attack Boats		—	—	—	—	—	—	—	—	—	—
AIRCRAFT											
Combat Aircraft Supersonic		98	20	—	38	15	—	5	—	—	20
Combat Aircraft Subsonic		65	—	—	55	—	5	—	—	—	5
Other Aircraft ^h		314	55	—	99	15	—	55	—	—	90
Helicopters		283	65	—	58	80	—	75	—	—	5
MISSILES											
Surface-to-Air		1,270	1,245	—	—	—	—	25	—	—	—

TABLE V. Number of Arms Delivered, Cumulative 1987-1991, By Selected Supplier, ^a Recipient Developing Region, ^b and Major Weapon Type — continued

SUPPLIER	TOTAL	SOVIET UNION	OTHER WARSAW PACT	UNITED STATES ^c	FRANCE	UNITED KINGDOM	OTHER NATO	CHINA	OTHER DEVELOPED	OTHER DEVELOPING
EQUIPMENT TYPE										
MIDDLE EAST										
LAND ARMAMENTS										
Tanks	1,841	845	425	341	25	—	20	35	—	150
Anti-Air Artillery ^d	645	260	40	—	—	—	—	335	—	10
Field Artillery ^e	2,405	495	110	80	—	20	95	1,325	—	280
Armored Personnel Carriers	2,991	855	1,100	646	70	—	65	25	—	230
NAVAL CRAFT										
Major Surface Combatants ^f	44	3	—	—	1	1	4	—	—	35
Other Surface Combatants ^g	58	8	2	—	20	7	20	—	—	1
Submarines	—	—	—	—	—	—	—	—	—	—
Missile Attack Boats	2	—	—	—	—	—	2	—	—	—
AIRCRAFT										
Combat Aircraft Supersonic	530	170	—	165	70	65	—	35	—	25
Combat Aircraft Subsonic	60	20	—	—	—	40	—	—	—	—
Other Aircraft ^h	250	25	20	20	5	40	30	20	—	90
Helicopters	254	155	—	14	25	—	50	—	—	10
MISSILES										
Surface-to-Air	5,685	2,940	110	830	190	—	—	385	—	1,230
SOUTH ASIA										
LAND ARMAMENTS										
Tanks	2,785	2,455	40	—	—	—	—	290	—	—
Anti-Air Artillery ^d	690	635	—	—	—	—	—	50	—	5
Field Artillery ^e	2,618	1,760	100	118	—	—	20	80	400	140
Armored Personnel Carriers	5,405	5,275	—	110	—	—	—	20	—	—
NAVAL CRAFT										
Major Surface Combatants ^f	21	11	—	—	—	3	—	1	—	6
Other Surface Combatants ^g	43	4	—	—	—	—	6	14	2	17
Submarines	12	8	—	—	—	—	4	—	—	—
Missile Attack Boats	4	—	—	—	—	—	—	4	—	—
AIRCRAFT										
Combat Aircraft Supersonic	375	155	—	—	10	—	—	110	50	50
Combat Aircraft Subsonic	50	25	—	—	—	20	—	5	—	—
Other Aircraft ^h	210	150	5	—	5	—	15	35	—	—
Helicopters	295	255	5	—	20	10	—	—	—	5
MISSILES										
Surface-to-Air	4,780	4,390	300	—	—	—	—	10	80	—

TABLE V. Number of Arms Delivered, Cumulative 1987-1991, By Selected Supplier, ^a Recipient Developing Region, ^b and Major Weapon Type — continued

— Nil

- ^a Suppliers include the five largest exporters of major weapons, as well as other major groups.
- ^b Totals include the "developing" countries, as previously listed in Table III, with the exception of Albania, Bulgaria, Greece, Malta, Spain, Turkey, and Yugoslavia.
- ^c U.S. data are by fiscal years 1983-1987, while other suppliers' data are by calendar years 1983-1987.
- ^d Air defense artillery includes weapons over 23mm.
- ^e Field artillery includes mobile rocket launchers, mortars, and recoilless rifles over 100mm.
- ^f Major surface combatants include aircraft carriers, cruisers, destroyers, destroyer escorts, and frigates.
- ^g Other surface combatants include motor torpedo boats, subchasers, and minesweepers.
- ^h Other aircraft include reconnaissance aircraft, trainers, transports, and utility aircraft.

Statistical Notes

These notes define the country groupings and variables employed in the Statistical Tables, identify the sources of information, and explain the methods of handling data. A primary aim is to inform the reader of the main qualifications to the data, much of which is not as accurate and reliable as uniform presentation in statistical tables may imply. This is particularly true of the data on military expenditures and arms transfers, which in many countries are subject to severe limitations of incompleteness, ambiguity, or total absence due to governmental secrecy.

Coverage and Groups of Countries

The statistical tables report data for 144 countries, including most members of the United Nations as well as nonmembers Switzerland and Taiwan. UN members not covered are generally small and not considered militarily significant; relevant data for them are frequently unavailable.¹ Since 1991 is the last year covered in this edition, countries formed subsequently from the former Soviet Union and from Yugoslavia are not included.

Countries are grouped into normally defined *geographical regions* with the following exceptions: North America consists only of the United States and Canada; Mexico is included in Latin America together with Central and South American countries; Egypt is assigned to the Middle East rather than to Africa; and Oceania includes only Australia, New Zealand, Papua New Guinea, and Fiji. A full listing of specific countries in each region may be found in Main Statistical Table III (pages 131-134).

The following political and economic groups are included: NATO, the Warsaw Pact, OPEC, and OECD. *NATO (North Atlantic Treaty Organization)* consists of Belgium, Canada, Denmark, France, West Germany, Greece, Iceland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Turkey, the United Kingdom, and the United States. Spain joined in 1982, and its membership has since been reaffirmed. Although its participation is limited and still evolving, with this edition Spain is included

in the NATO grouping. France also limits its military participation (since 1966), but is traditionally associated with NATO and is therefore included in the group. The *Warsaw Pact* was formally dissolved on July 1, 1991, the last year covered in this report. It consisted of Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, Romania, and the Soviet Union. *OPEC (Organization of Petroleum Exporting Countries)* includes Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela. *OECD (Organization for Economic Cooperation and Development)* comprises the NATO countries and Australia, Austria, Finland, Ireland, Japan, New Zealand, Spain, Sweden, and Switzerland.

The 28 countries classed as *developed* in this publication include: all members of NATO except Greece, Spain, and Turkey; all Warsaw Pact members except Bulgaria; Austria, Finland, Ireland, Sweden, and Switzerland in Other Europe; and Australia, Japan, New Zealand, and South Africa. All other nations are classed as *developing*. For non-communist countries, assignment to one or the other category follows the practice employed by the Development Assistance Committee of the OECD. This assignment is based partly on gross national product (GNP) per capita, but also reflects factors such as literacy rates, mortality rates, and levels of industrialization.

The grouping of *communist* countries (as of 1989 and earlier) is used in Main Statistical Table IV and in the Highlights. This group includes the Warsaw Pact countries, Albania, Cambodia, Mainland China, Cuba, Laos, Mongolia, North Korea, Vietnam, and Yugoslavia. Together with Bulgaria of the Warsaw Pact, all of the above listed communist countries are considered to be developing.

Most of the data are for calendar years. For some countries, however, expenditure data are available only for fiscal years which diverge from calendar years. In such cases, the fiscal year which contains the most months of a given calendar year is assigned to that year; e.g., data for the fiscal year April 1977 through March 1978 would be shown

¹ The UN member countries as of 1991 not covered are Antigua and Barbuda, the Bahamas, Belize, Bhutan, Brunei, Comoros, Djibouti, Dominica, Grenada, Liechtenstein, Maldives, Montserrat, Namibia, Saint Christopher and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Seychelles, Solomon Islands, Vanuatu, and Western Samoa. Also excluded are: nonmember countries Andorra, Kiribati, Monaco, Nauru, San Marino, Tonga, and Vatican City; the territory with unresolved sovereignty of Western Sahara; the dependencies and areas of special sovereignty of Bermuda, Hong Kong, Macau, Puerto Rico, and numerous others, many being very small islands in the Atlantic and Pacific Oceans.

under 1977. Data for fiscal years ending on June 30 are normally entered under the calendar year in which they end.

Sources and Definitions

Military Expenditures

For NATO countries, military expenditures are from NATO publications and are based on the NATO definition. In this definition, (a) civilian-type expenditures of the defense ministry are excluded and military-type expenditures of other ministries are included; (b) grant military assistance is included in the expenditures of the donor country; and (c) purchases of military equipment for credit are included at the time the debt is incurred, not at the time of payment.

For other non-communist countries, data are generally the expenditures of the ministry of defense. When these are known to include the costs of internal security, an attempt is made to remove these expenditures. A wide variety of data sources are used for these countries, including the publications and data resources of other US government agencies, standardized reporting of countries to the United Nations, and other international sources

It should be recognized by users of the statistical tables that the military expenditure data are of uneven accuracy and completeness. For example, there are indications or reasons to believe that the military expenditures reported by some countries consist mainly or entirely of recurring or operating expenditures and omit all or most capital expenditures, including arms purchases. In the case of several countries (Algeria, Chile, Cuba, Ecuador, Egypt, Honduras, Iraq, Iran, Libya, and Syria), special note of this possibility is made in Table I.

In some of these cases (as indicated in the footnotes of Table I), it is believed that a better estimate of total military expenditures is obtained by adding to nominal military expenditures the value of arms imports (as shown in Table II and converted to local currency by current exchange rates). It must be cautioned, however, that this method may over- or underestimate the actual expenditures in a given year due to the fact that payment for arms may not coincide in time with deliveries, which the data in Table II reflect. Also, arms acquisitions in some cases may be financed by, or consist of grants from, other countries.

In Statistical Table I, the symbol "E" denotes rough estimates such as those described above and others made on the basis of partial or uncertain data. In a few cases of particular interest, very rough estimates are also shown, marked with the symbol "R" and printed in shaded italics. It

should be understood that these estimates are based on scant information and are subject to a wide range of error.

For countries that have major clandestine nuclear or other military weapons development programs, such as Iraq, estimation of military expenditures is extremely difficult and especially subject to errors of underestimation.

Further improvements in the quality of the military expenditure data presented for countries throughout the world will be difficult to achieve without better reporting by the countries themselves. As has been noted elsewhere, "There is growing evidence that important amounts of security expenditures may not enter the accounts or the national budgets of many developing countries."² Among the mechanisms commonly used to obscure such expenditures are: double-bookkeeping, use of extra-budgetary accounts, highly aggregated budget categories, military assistance, and manipulation of foreign exchange.

Particular problems arise in estimating the military expenditures of communist countries due to the exceptional scarcity and ambiguity of released information. As in past editions of this publication, data on the military expenditures of the Soviet Union are based on Central Intelligence Agency (CIA) estimates. For most of the series, these are estimates of what it would cost in the United States in dollars to develop, procure, staff and operate a military force similar to that of the Soviet Union.³ Estimates of this type—that is, those based entirely on one country's price pattern—generally overstate the relative size of the second country's expenditures in intercountry comparisons.⁴ Also, such estimates are not consistent with

²Nicole Ball, "Measuring Third World Security Expenditure: A Research Note," *World Development*, February 1984, pp. 157-164 (Pergamon Press, London).

³See CIA, *Soviet and US Defense Activities, 1971-80: A Dollar Cost Comparison*, January 1981. The CIA dollar estimates as shown in this source have been updated and augmented by estimated retirement pay at US rates in order to improve comparability with expenditures by NATO countries, which include retirement pay.

⁴This tendency is widely recognized in both government and nongovernment circles. For detailed commentaries by academic and government witnesses on this and other problems in estimating and comparing Soviet military expenditures, see the series of Hearings held before the Subcommittee on National Security Economics and the Subcommittee on Technology and National Security, Joint Economic Committee, Congress of the United States, *Allocation of Resources in the Soviet Union and China*. See also Hearing before the Subcommittee on Oversight of the Permanent Select Committee on Intelligence, Congress of the United States, "CIA Estimates of Soviet Defense Spending," Ninety-Sixth Congress, Second Session; Donald F. Burton, "Estimating Soviet Defense Spending," *Problems of Communism*, March-April 1983; and Richard F. Kaufman, "Causes of the Slowdown in Soviet Defense" (with comments by others), *Soviet Economy*, January-March 1985.

the methods used here for converting other countries' expenditures into dollars.⁵

Nevertheless, the basic CIA estimates are the best available for present purposes; in fact, there are no alternative estimates that can inspire confidence and have the capability to detect relatively small changes over time, such as the slowdown and decline in Soviet military spending that the CIA estimates have indicated.

Estimates for the most recent years are based on the change in the index of CIA-estimated military expenditures in ruble terms, as reported in the Joint Economic Committee of Congress series, *Allocation of Resources in the Soviet Union and China*, *op. cit.*

For former Warsaw Pact countries other than the Soviet Union, the estimates of military expenditures through 1989 are from Thad P. Alton *et al.*⁶ These estimates cover the officially announced state budget expenditures on national defense and thus understate total military expenditures to the extent of possible defense outlays by non-defense agencies of the central government, local governments, and economic enterprises. Possible subsidization of military procurement may also cause understatement. The dollar estimates were derived by calculating pay and allowances at the current full US average rates for officers and for lower ranks. After subtraction of pay and allowances, the remainder of the official defense budgets in national currencies was converted into dollars at overall rates based on comparisons of the various countries' GNPs expressed in dollars and in national currencies. The rates are based in part on the purchasing power parities estimated by the International Comparison Project of the United Nations, including their latest (Phase V) versions.

The table entries for these countries in 1990 and 1991 are marked "R" for "rough estimate" and are not fully comparable to those for earlier years. The later estimates are based on total military spending in national currency as reported by the respective governments to the UN (in most cases) or the IMF. These expenditures in toto are converted

to dollars at the Alton GNP conversion rates for 1989 as adjusted to 1991 by the respective US and national GNP deflators (per the World Bank), without estimating personnel compensation separately at US dollar rates, as was done for earlier years. The resulting military conversion rates (in national currency per dollar) are substantially higher than the implied rates for previous years, substantially lower than the 1991 market rate, and approximately the same as the implied rate for GNP (see below).

Data used here for China are based on US Government estimates of the yuan costs of Chinese forces, weapons, programs and activities.⁷ Costs in yuan are here converted to dollars using the same estimated conversion rate as used for GNP (see below). Differences in China's military spending estimates between this and previous *WMEAT* editions are due primarily to revisions in the yuan/dollar conversion rates used. Due to the exceptional difficulties in both estimating yuan costs and converting them to dollars, comparisons of Chinese military spending with other data should be treated as having a wide margin of error.

Other published sources used include the *Government Finance Statistics Yearbook* issued by the International Monetary Fund, *The World Factbook*, produced annually by the Central Intelligence Agency, the *SIPRI Yearbook: World Armaments and Disarmament* issued by the Stockholm International Peace Research Institute, and *The Military Balance* issued by the International Institute for Strategic Studies.

Gross National Product (GNP)

GNP represents the total output of goods and services produced by residents of a country, valued at market prices. The source of GNP data for most non-communist countries is the International Bank for Reconstruction and Development (World Bank).

For a number of countries whose GNP is dominated by oil exports (Bahrain, Kuwait, Libya, Oman, Qatar, Saudi Arabia, and the United Arab Emirates), the World Bank's estimate of deflated (or constant price) GNP in domestic currency tends to understate increases in the monetary value of oil exports, and thus of GNP, resulting from oil price increases. These World Bank estimates are designed to measure real (or physical) product. An alternative estimate

⁵ An alternative series employing the same basic data but reflecting both the US and Soviet price patterns was provided in previous editions of this publication. See table captioned "Alternative Estimates of Soviet Military Expenditures," *World Military Expenditures and Arms Transfers, 1969-1978*, p.27; and the essay, "Soviet Military Expenditures," *World Military Expenditures and Arms Transfers, 1968-1977*, pp. 13-19.

⁶ The estimates are updates and substantial revisions of those in their article, "East European Military Expenditures, 1965-1978," (published in the Joint Economic Committee of Congress Compendium, *East European Economic Assessment*, Part 2, July 10, 1981, pp. 409-433) and particularly in their most recent Occasional Papers, Nos. 115-119 (published by the Research Project on National Income in East Central Europe).

⁷ Edward P. Parris, *Chinese Estimated Expenditures, 1967-83*, (Defense Intelligence Agency), November 1984. See also the series of Hearings before the Subcommittee on Priorities and Economy in Government of the Joint Economic Committee, US Congress, "Allocation of Resources in the Soviet Union and China."

of constant-price GNP was therefore obtained using the implicit price deflator⁸ for US GNP (for lack of a better national deflator). This is considered appropriate because a large share of the GNP of these countries is realized in US dollars.

GNP estimates of the Soviet Union are by the CIA, as published in its *Handbook of Economic Statistics 1990* and updated. GNP estimates for other Warsaw Pact countries through 1989 are from "East European Military Expenditures, 1965-1978" by Thad P. Alton and others, *op. cit.*, as updated and substantially revised by the authors. These estimates through 1989 have been extended to 1990 and 1991 on the basis of estimates for those years in the CIA's *Handbook of Economic Statistics, 1992*.

GNP data for China are based on World Bank estimates in yuan. These are in line with estimates of GDP in Western accounting terms made by Chinese authorities. Converting estimates in yuan to dollars is highly problematic, however, due to the inappropriateness of the official exchange rate and lack of sufficient yuan price information by which to reliably estimate purchasing power parities (PPPs). (The ratio of the highest to the lowest estimates by various sources of China's GNP in 1991 is on the order of 6 or 7 to 1, which would make the world rank of China's GNP vary between about 3rd or 4th and 12th.) The average conversion rate used here (1.293 yuan/dollar) is based on a PPP estimated for 1981⁹ and moved by respective US and China implicit GNP deflators to 1991.

GNP estimates for a few non-communist countries are from the CIA's *Handbook of Economic Statistics* cited above. Estimates for the other communist countries are rough approximations.

Military-Expenditures-to-GNP Ratio

It should be noted that the meaning of the ratio of military expenditures to GNP, shown in Table I, differs somewhat between most communist countries and non-communist countries. For non-communist countries, both military expenditures and GNP are converted from the national currency unit to dollars at the same exchange rate;

⁸The implicit price deflator is the ratio of GNP in current prices to GNP in constant prices.

⁹Jeffrey R. Taylor, *Dollar Estimates for China*, Center for International Research Staff Paper No. 59, US Bureau of the Census, March 1991. This PPP appears to be carefully constructed from detailed Chinese data and yields an intermediate result. When moved to 1991, this parity is used to produce dollar values in the same manner as the 1991 exchange rate for other countries. (See below, Conversion of National Currencies to Dollars.)

consequently, the ratio of military expenditures to GNP is the same in dollars as in the national currency and reflects national relative prices. For communist countries, however, military expenditures and GNP are converted differently. Soviet military expenditures, as already noted, are estimated in a way designed to show the cost of the Soviet armed forces in US prices, e.g., as if purchased in this country. On the other hand, the Soviet GNP estimates used here are designed to show average relative size when both US and Soviet GNP are valued and compared at both dollar and ruble prices. The Soviet ratio of military expenditures to GNP in ruble terms, the preferred method of comparison, is estimated to have been 15 - 18 percent in recent years.

For Eastern European countries, the ratios of military expenditures to GNP in dollars are about twice the ratios that would obtain in domestic currencies. (See Alton and others, *op. cit.*) However, since official military budgets in these countries probably substantially understate their actual military expenditures, the larger ratios based on dollar estimates are believed to be the better approximations of the actual ratios.

Central Government Expenditures (CGE)

These expenditures include current and capital (developmental) expenditures plus net lending to government enterprises, by central (or federal) governments. A major source is the International Monetary Fund's *Government Finance Statistics Yearbook*. The category used here is "Total Expenditures and Lending minus Repayment, Consolidated Central Government."

Other sources for these data are the International Monetary Fund monthly, *International Financial Statistics*; OECD, *Economic Surveys*; and CIA, *The World Factbook* (annual). Data for Warsaw Pact countries are from national publications and are supplied by Thad P. Alton and others. For all Warsaw Pact countries and China, conversion to dollars is at the implicit rates used for calculating dollar estimates of GNP.

For all countries, with the same exceptions as noted above for the military-expenditures-to-GNP ratio, military expenditures and central government expenditures are converted to dollars at the same rate; the ratio of the two variables in dollars thus remains the same as in national currency.

It should be noted that for the Soviet Union, China, Iran, Jordan, and possibly others, the ratio of military expenditures to central government expenditures may be overstated, inasmuch as the estimate for military expenditures is obtained at least in part independently of

nominal budget or government expenditure data, and it is possible that all estimated military expenditures do not pass through the nominal central government budget.

Population

Population estimates are for midyear and are made available to ACDA by the US Bureau of the Census.

Armed Forces

Armed forces refer to active-duty military personnel, including paramilitary forces if those forces resemble regular units in their organization, equipment, training, or mission. Reserve forces are not included unless specifically noted.

Figures for the United States and all other NATO countries are as reported by NATO. Estimates of the number of personnel under arms for other countries are provided by US Government sources. The armed forces series for the Soviet Union includes all special forces judged to have national security missions (e.g., KGB border guards) and excludes uniformed forces primarily performing noncombatant services (construction, railroad, civil defense, and internal security troops).

Arms Transfers

Arms transfers (arms imports and exports) represent the international transfer (under terms of grant, credit, barter or cash) of military equipment, usually referred to as "conventional," including weapons of war, parts thereof, ammunition, support equipment, and other commodities designed for military use. Among the items included are tactical guided missiles and rockets, military aircraft, naval vessels, armored and nonarmored military vehicles, communications and electronic equipment, artillery, infantry weapons, small arms, ammunition, other ordnance, parachutes, and uniforms. Dual use equipment, which can have application in both military and civilian sectors, is included when its primary mission is identified as military. The building of defense production facilities and licensing fees paid as royalties for the production of military equipment are included when they are contained in military transfer agreements. There have been no international transfers of purely strategic weaponry. Excluded are foodstuffs, medical equipment, petroleum products and other supplies. Military services such as construction, training, and technical support are not included for the United States, whose services consist mainly of construction (primarily for Saudi Arabia).¹⁰ Data on military services of

other countries, which are normally of a much smaller magnitude, are included when available.

The statistics contained in Tables II, III and part of IV are estimates of the value of goods actually delivered during the reference year, in contrast both to payments and to the value of programs, agreements, contracts, or orders concluded during the period, which are expected to result in future deliveries. However, summary data on arms transfer agreements are presented in Table IV. Both deliveries and agreements data represent arms transfers to governments and do not include the value of arms obtained by subnational groups.

¹⁰ US Foreign Military Sales deliveries of military construction and other services to various recipient groups in recent (fiscal) years, in billions of current dollars, were as follows:

	<u>Construction</u>	<u>Other Services</u>	<u>Total</u>
WORLD			
1987	0.27	2.72	2.99
1988	.41	2.46	2.87
1989	.39	2.17	2.56
1990	.35	2.57	2.92
1991	.41	2.97	3.38
DEVELOPED			
1987	----	0.54	0.54
1988	----	.61	.61
1989	negl.	.53	.53
1990	----	.70	.70
1991	----	.71	.71
DEVELOPING			
1987	0.27	2.17	2.44
1988	.41	1.86	2.27
1989	.39	1.64	2.03
1990	.35	1.87	2.22
1991	.41	2.27	2.68
Of Which:	— Saudi Arabia		
1987	0.24	1.45	1.69
1988	.36	1.07	1.43
1989	.35	.80	1.15
1990	.26	.98	1.24
1991	.27	1.19	1.46
	— Other Developing		
1987	0.03	0.72	0.75
1988	.05	.79	.84
1989	.04	.84	.88
1990	.09	.89	.98
1991	.14	1.08	1.22

Source: Defense Security Assistance Agency, *Foreign Military Sales, Foreign Military Construction Sales and Military Assistance Facts As of September 30, 1992*, Data Management Division, Comptroller, DSAA, (n.d.) and other data from that Agency.

Figures for US arms exports are for fiscal years and are obtained from official data on arms transfers compiled by the US Departments of Defense and State. They include commercial deliveries of items on the US Munitions Control List. Data on US arms export agreements shown here in Table IV have the same coverage (materiel) as deliveries data and, therefore, exclude an estimate of agreements for services. Commercial agreements are here taken to equal deliveries, since agreements data as such are not available and data on commercial licenses issued are not considered sufficiently indicative.

US arms import data in this and the previous edition are revised upward substantially from earlier editions. The present series consists of data obtained from the Department of Commerce, Bureau of Economic Analysis (BEA), including (a) imports of military-type (formerly "special category") goods, as compiled by the Bureau of the Census, and (b) Department of Defense direct expenditures abroad for major equipment, as compiled from DOD data by BEA. The goods in (a) include: complete military aircraft, all types; engines and turbines for military aircraft; military trucks, armored vehicles, etc.; military (naval) ships and boats; tanks, artillery, missiles, guns, and ammunition; military apparel and footwear; and other military goods, equipment, and parts.

Data on countries other than the United States are estimates by US Government sources. Arms transfer data for the Soviet Union and other former communist countries are approximations based on limited information.¹¹

This and the previous four editions employ estimates of Soviet arms transfers in value terms for the years 1977-1986 that have been revised upward substantially from earlier editions. The revisions generally do not affect underlying estimates of the number, type, or value of major military equipment deliveries, but rather the estimated dollar value of supporting materiel deliveries, particularly those to countries engaged in ongoing hostilities. The increases in the estimated annual value of Soviet arms transfers in those years were on the order of 40-50 percent.

It should be noted that the arms transfer estimates for the most recent year, and to a lesser extent for several preceding years, tend to be understated. This applies to both foreign and US arms exports. In the former case, information on transfers comes from a variety of sources, and is sometimes acquired and processed with a considerable time lag. In the US case, commercial arms

transfer licenses are now valid for three years, causing a delay in the reporting of deliveries made on them to statistical agencies. Data for the most recent two years in Main Statistical Tables II, III, and IV, therefore, can be expected to undergo some upward revision in succeeding issues.

Close comparisons between the estimated values shown for arms transfers and for GNP and military expenditures are not warranted. Frequently, weapons prices do not reflect true production costs. Furthermore, much of the international arms trade involves offset or barter arrangements, multiyear loans, discounted prices, third-party payments, and partial debt forgiveness. Acquisition of armaments thus may not impose the burden on an economy, in the same or in other years, that is implied by the estimated equivalent US dollar value of the shipment. Therefore, the value of arms imports should be compared to other categories of data with care.

Total Imports and Exports

The values for imports and exports cover merchandise transactions. Those for non-communist countries come from *International Financial Statistics* published by the IMF. The communist trade figures are from the CIA *Handbook of Economic Statistics*, 1992 edition.

Conversion of National Currencies to Dollars

All value data in the report are expressed in US dollars. For most countries, this requires the conversion into dollars of amounts expressed in national currencies at current (or "then-year") prices. Available methods for doing so are less than satisfactory in all respects. The approach adopted in this series of reports relies on market or par exchange rates. In this method, current-price national currency data for an entire series of years is converted to current U.S. dollars through the use of a single (base-year) exchange rate and two price indexes, one national and one U.S.

Basic Steps

The conversion approach used here consists essentially of three steps:

- a) Each country's data, expressed originally in the national currency and at current prices, are "deflated" or put into constant-price terms, usually by means of the country's implicit deflator for GNP as a whole. This GNP price index is used also for other variables—military and central government expenditures—because more appropriate price indices for those sectors are not

¹¹ Soviet arms transfers and foreign trade data are taken from sources which present them directly in dollars; hence, particular caution should be used in comparing these statistics for arms transfers and foreign trade with other Soviet data.

generally available. National currency data for all years are expressed in prices of the conversion base year (1991 in this issue).

b) These data are then divided by the average exchange rate in the base year between the national currency and the US dollar and thus converted into constant base-year (1991) dollars. Exchange rates are provided by the World Bank and are usually the annual average par/market rate, (the "rf" rate as designated by the International Monetary Fund).

c) Data in constant dollars are then expressed in current dollars by multiplying by the US implicit GNP deflator.

The calculation may be illustrated by an example, assuming the following data:

1981 national military expenditures, in national currency at current (1981) prices	4,600
1981 implicit GNP deflators (1991 = 100):	
National	55.5
US	77.7
1991 exchange rate, national currency units per dollar	15.92

Then, 1981 national military expenditures:

In constant 1991 dollars = $4,600 \div .555 \div 15.92 = 520.6$
 In current (1981) dollars = $520.6 \times .777 = 404.5$

Advantages and Disadvantages

The use in this report of the same rate for converting all variables from national currencies to US dollars (with the exceptions noted below) means that the relationships among variables in national currency terms remain the same when those variables are expressed in dollars.

The conversion method used here has an advantage in that it takes into account national differences in the behavior of prices and, within each edition, avoids the distorting effect that can result from changes in exchange rates during the decade. It does not, however, allow for a number of other factors. One is that any within-country differences between the price indexes for military or central government expenditures and for GNP are not taken into account. For example, indexes for compensation of military personnel or prices of imported arms might behave differently from the overall index.

A more serious problem is that exchange rates in many cases do not adequately reflect the relative purchasing power of currencies. This has been demonstrated by a detailed study of purchasing power parities (PPPs) for the

GNPs of a large number of countries.¹² This study found that the greater the disparity in the per capita income of countries, the greater the tendency for exchange rates to understate the value of the poorer country's product, and that the understatement can be very large, reaching as much as threefold in some cases. However, since this study did not estimate PPPs for military expenditures as such, it does not shed much light on how PPPs specific to military expenditures or arms purchases might differ from exchange rates or from either overall or other specific-sector PPPs.¹³

A disadvantage of the method used here in *WMEAT* is that the resulting conversion to current dollars for a given year can vary from edition to edition, despite the absence of any change in data for that year itself. The change is due solely to the rolling up of the exchange rate base year so as to make it more up-to-date, which usually means a change in the exchange rate used.

Such changes have been exceptionally large and frequent recently. This was due to two major factors: (1) the change from an appreciating and overvalued U.S. dollar, until 1985, to a depreciating one and (2) the very high inflation rates and concomitantly large exchange-rate movements occurring in a number of developing countries, together with the tendency of the latter to undercompensate or overcompensate for relative price movements.

For a discussion of the extent of the changes and their impact on inter-country comparisons and group averages, see *WMEAT 1988*, pp. 135-136. The changes in exchange rates have not been as extensive in recent years, except for the growing number of high inflation countries.

Exceptions

There are several exceptions to the general conversion procedures discussed above. Data on arms transfers in value terms for all countries are obtained by this Agency already expressed in current dollars. (Original data in foreign currencies have generally been converted by the

¹² These PPPs have been estimated by the United Nations International Comparisons Project, a cooperative undertaking of the United Nations, the World Bank and the University of Pennsylvania. See Irving Kravis, Alan Heston, and Robert Summers, *World Product and Income: International Comparisons of Real Gross Product*, published for the World Bank by the Johns Hopkins University Press, Baltimore and London, 1982.

¹³ A United Nations expert group has studied the feasibility of constructing purchasing power parities and price indices for military expenditures (A/40/421, 13 August 1985). However, practical prospects for the future availability of usable military PPPs are poor due to the lack of underlying national data, especially on military prices.

source at current exchange rates.) These current dollars are converted to constant 1989 dollars in the manner shown above. For the Soviet Union, GNP estimates in rubles are converted by the source into constant dollars at what is in effect an average US-and-Soviet-weighted PPP for GNP as a whole. This same conversion rate is also used for Soviet central government expenditures. Soviet military expenditures are in effect converted by the source at a military-sector PPP using only Soviet weights. (See also the discussion of Military Expenditures, above).

For other Warsaw Pact countries and China, the available estimates for GNP and military expenditures are also already in terms which accounted for domestic price changes and have been converted to constant dollars using estimated purchasing power parities, rather than official exchange rates.

It should be noted that in all cases the relationship between current and constant dollars in this report is determined entirely by the US GNP deflator index. To facilitate reconversion to other constant-dollar bases if desired, this index, rebased here to 1991=100, is as follows:

1981	66.98	1986	82.31
1982	71.14	1987	84.93
1983	74.03	1988	88.19
1984	77.34	1989	92.17
1985	80.15	1990	96.15

Growth Rates

The average annual rates of real growth shown in Tables 1 - 4 of the Highlights are based on data in constant 1991 dollars from Tables I and II. The rates are calculated by a least-squares fit to all years of the decade of the log form (to the base 10) of the following "compound interest" equation:

$$Y = A(1 + r/100)^T,$$

or

$$\text{Log} Y = \text{Log} A + \text{Log}(1 + r/100) \times T,$$

where Y is military expenditures (or other variable) in a given year, A is the initial value for year 0, T is time in years, and r is the growth rate in percent. This formula was used in all cases to provide a consistent measure of change and is not intended to provide the best fit for projection purposes.